L-com® Global Connectivity

Wired and Wireless Connectivity Products



End to End
Wired and Wireless
Connectivity Solutions

L-com.com • 1-800-343-1455

L-com® Global Connectivity

We're known for Exceptional Service

For over 30 years, L-com has led the connectivity products industry in producing high-quality, high-performance network equipment at exceptionally low prices. Customers all over the globe turn to L-com when building flawless networks in the most demanding applications.

But no matter what connectivity challenge you face, we know that the solution starts with service. You need the right product for your application or your performance will suffer.



Chris Cote, Supervisor



Tania Rueda, Customer Service Representative

This is the second year in a row that L-com has been recognized as a Stevie® award finalist, and this is the second year in a row that the company has won a gold for Customer Service Department of the Year in Computer Hardware. L-com also won bronze statues for Customer Service Department of the Year in Telecommunications, Contact Center of the Year (up to 100 seats), and Best Use of Technology in Customer Service.



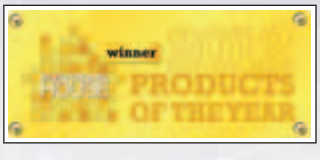
We're also known for Manufacturing Excellence

L-com is a global leader in the manufacture of wired and wireless connectivity products. We offer a wide range of solutions and unmatched customer service for the electronics and data communications industries. Our manufacturing capabilities includes cable assemblies, connectors, adapters, computer networking components, and custom products, as well as the HyperLink® line of wireless products.

That's why the L-com brand is so important. We manufacture L-com brand network products ourselves. It means that we control product designs, manufacturing processes and quality control procedures. That's how you know your network components will do what you need them to do.



L-com has won the 2012 Product of the Year competition for Structured Cabling Systems & Multimedia Cabling. The winning product was L-com's right-angle Ethernet cables. The Electronic House Products of the Year awards recognize the best technology, products and services for the Electronic House. Winners for this award were chosen by several credible industry leaders along with the editors of Electronic House magazine and CE Pro magazine.



That's why we built the best customer and technical service teams in the industry. And we're not just bragging; see all of L-com's accomplishments at L-com.com/awards

Call us today and find out what *great service* really means.

Shop at **L-com.com** or call **1-800-343-1455** • E-mail: sales@L-com.com • Fax: 978-689-9484

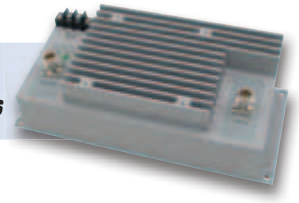
Product Highlights



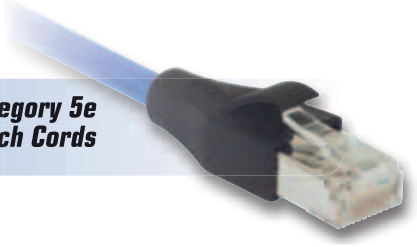
Antennas



HyperLink™ Surge Protectors



WLAN Amplifiers



Category 5e Patch Cords



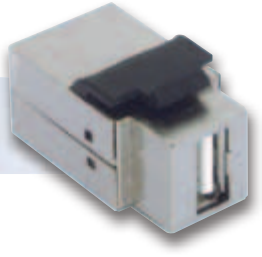
Wireless CPE / Access Points / Adapters



D-Subminiature Adapters



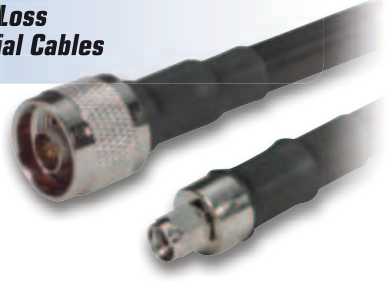
PoE Products



USB Couplers



Weatherproof NEMA Enclosures



Low-Loss Coaxial Cables

Look for these helpful icons throughout our catalog:

Online video available

Helpful tip available

Best selling product

New product added

Exclusive product design or feature

RoHS status information
listed online for every product @ L-com.com/RoHS

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- Access Points • Routers • WLAN Adapters



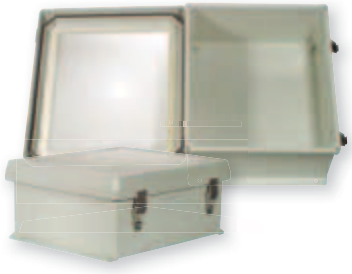
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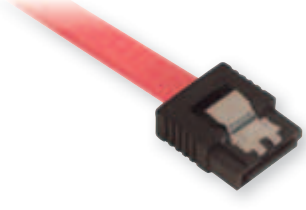
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Connect with L-com Global Connectivity

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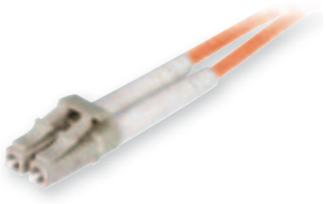
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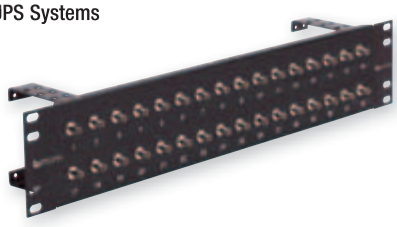
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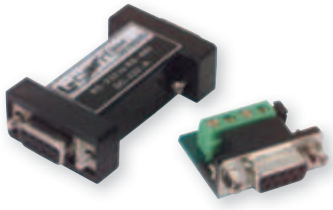
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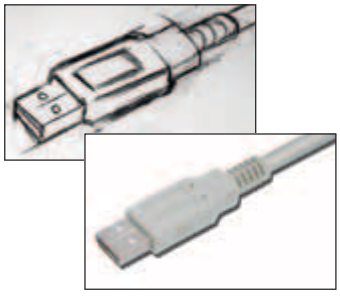
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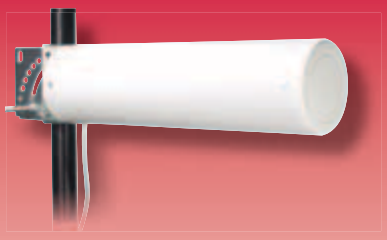


Do you need custom cable assemblies, custom WiFi antennas, custom adapters or other custom connectivity products?

L-com has over 30 years of experience designing and building custom connectivity products. L-com's manufacturing facilities in the U.S. and China can build just about every type of copper or fiber cable assembly as well as custom connectors, WiFi antennas, adapters, amplifiers, NEMA enclosures and more. L-com's Product Development and CAD Engineering teams are ready to serve you. L-com is ISO 9001:2008 and UL Certified and has the ability to manufacture custom products in large or small volumes. Fast turnaround is also available.

See page 261 for more information. . .

L-com® Global Connectivity



Wireless Antenna Tutorial

What are Wireless Antennas?

Wireless antennas are the part of a radio communications system that radiate and/or collect radio frequency energy.

How are Wireless Antennas used?

Wireless antennas are typically connected via low loss coaxial cable either to an amplifier, splitter, filter or directly to a wireless access point or router. For outdoor applications wireless antennas are often attached via mounting clamps to a mast or to the side of a building via mounting brackets. Wireless Antennas used indoors are typically ceiling mounted or sometimes mounted high up on a wall.

Where are Wireless Antennas used?

Wireless antennas are used in many environments and for many applications. Models for both indoor and outdoor use are available as well as specialty antennas such as Marine antennas used in nautical applications.

Wireless antennas are used in both commercial and military/government applications including small office/home office (SOHO) networks, Enterprise (office) networks, supervisory control and data acquisition (SCADA) networks, homeland security, factory automation, mining, oil processing, wireless cafe "hotspots", energy management and control, police, fire and emergency services networks, radio frequency identification (RFID) applications, and industrial science and medical (ISM) networks.

Wireless antennas are used in/on buildings, oil rigs, wind turbines, terrestrial vehicles, boats, aircraft and other mobile and stationary platforms.

There are two main types of WiFi antennas, Omni Directional and Directional

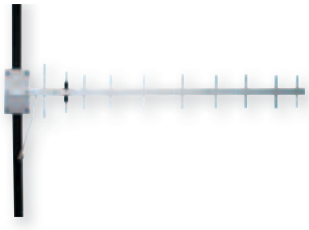
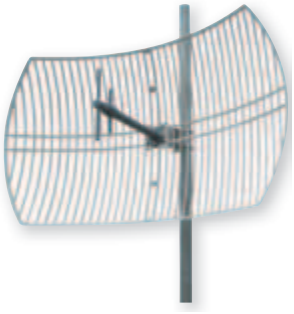
Omni Directional Antennas provide a 360° donut shaped radiation pattern to provide the widest possible signal coverage in indoor and outdoor wireless applications. An analogy for the radiation pattern would be how an un-shaded incandescent light bulb illuminates a room. Types of Omni Directional Antennas include "Rubber Duck" Antennas often found on access points and routers, Omni Antennas found outdoors, and Antenna Arrays used on cellular towers.

Omni Directional Antennas

Outdoor Omni Antenna	Rubber Duck Antenna	Omni Antenna Array
		

Directional antennas, as the name implies, focus the wireless signal in a specific direction resulting in a limited coverage area. An analogy for the radiation pattern would be how a vehicle head light illuminates the road. Types of Directional Antennas include Yagi, Parabolic Grid, Patch, and Panel Antennas.

Directional Antennas

Yagi Antenna	Grid Antenna	Panel Antenna	Patch Antenna
			

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For more useful information go to....
L-com.com/Resources

Wireless Antenna Tutorial

A Critical Component for Every Wireless Application…

The selection of the correct antenna is paramount to achieving overall wireless system performance. L-com's HyperGain® antennas offer a wide range of frequencies, antenna styles, gain specifications, and beamwidth coverage for your wireless system applications and needs. When performance is essential, select the best HyperGain® antenna to fit the application.

Antenna Configurations/Characteristics

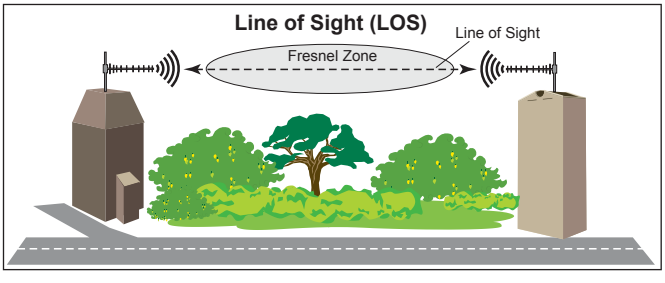
Antenna Style	*Features	Antenna Style	*Features	Antenna Style	*Features
GRID 	• Die cast construction • UV stable light gray powder coat finish • Easy to assemble • Rugged all weather operation	RUBBER DUCK 	• 360° coverage • Tilt & swivel design • Ideal for access points	YAGI 	• All weather operation • Can be installed for either vertical or horizontal polarization
DISH 	• UV stable polymer finish • All weather operation • Optional radomes	ARRAYS 	• 360° coverage • Stainless steel construction • All weather operation	PANEL 	• All weather operation • Sector/directional coverage • Mechanical down-tilt
OMNI 	• 360° coverage • Indoor & outdoor use • Mobile applications • Compact models available	LOG PERIODIC 	• Ideal for use with multiband access points and routers • 2.3 GHz to 6.5 GHz • Compact size - low profile	MARINE 	• 360° coverage • Nautical environments • All weather operation
MIMO 	• Multi-band • Broad-band • MIMO configurations • Dual polarity • Spatial diversity	CEILING 	• 360° coverage • Indoor use • Compact size, easy to mount • MIMO configurations	MOBILE MOUNT 	• 360° coverage • All weather operation

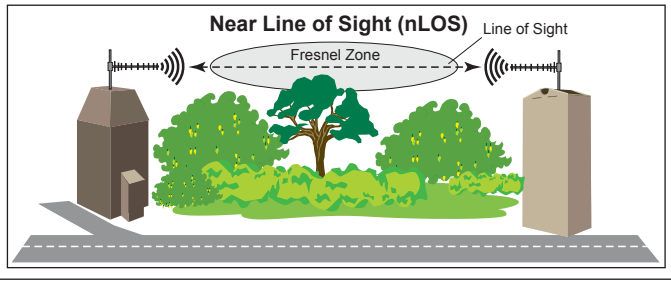
* Product features may vary. See individual antennas for differences.

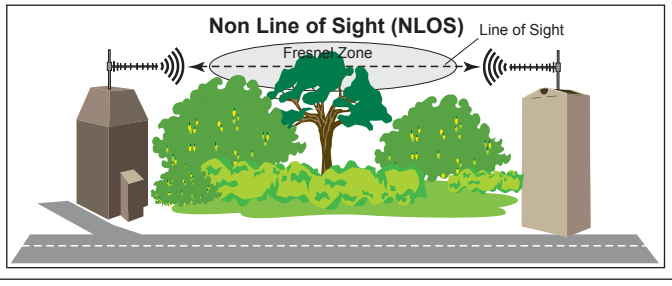
Line of Site is Critical to the success of your wireless network

The path between two antennas is referred to as the Line of Sight. There are three main categories of Line of Sight, the first being full Line of Sight (LOS) where no obstacles reside between the two antennas, the next is called Near Line of Sight (nLOS) which includes partial obstructions such as tree tops between the two antennas, and lastly Non Line of Sight (NLOS) where full obstructions exist between the two antennas. By determining the specific line of sight conditions in the WiFi network area you can then determine the correct type of wireless system to install.

The Fresnel Zone referenced in the diagrams below is an electromagnetic phenomenon, where light waves or radio signals get diffracted or bent from solid objects near their path. The radio waves reflecting off the objects may arrive out of phase with the signals that traveled directly to the receiving antenna thus reducing the power of the received signal.





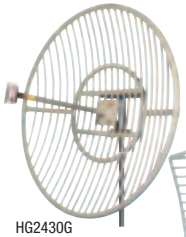


Assembling grid antennas

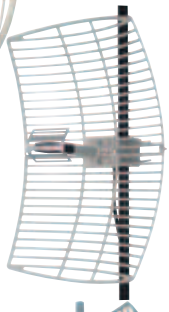
Online Video
L-com.com/Videos/A25



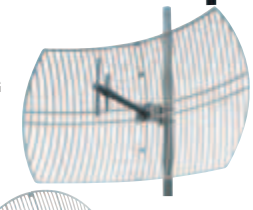
HG1922EG-NF
STYLE A
(Vertical)



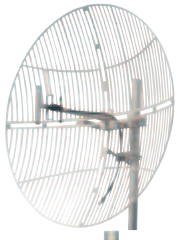
HG2430G
STYLE B
(Vertical)



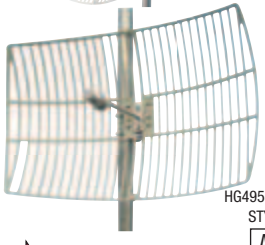
HG2420EG
STYLE A
(Horizontal)



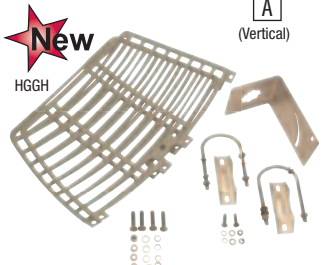
HG8915EG
STYLE A
(Vertical)



HG918G-NF-4
STYLE B
(Vertical)



HG4958-27EG
STYLE A
(Vertical)



HGGH

"STYLE" refers to shape of antenna in series. Vertical/Horizontal refers to polarity.

Item #	Style	Description

1.9 GHz Grid Antenna

The HG1922EG construction features a die cast aluminum reflector grid for superior strength and light weight. This antenna's 2-piece reflector grid is simple to assemble and significantly reduces shipping costs. The grid surface is UV powder coated for durability and aesthetics. The open-frame grid design minimizes wind loading.

SOLD INDIVIDUALLY (NO 5-PACKS)			1-9	10-24	25-99	100-249	250-499
HG1922EG-NF	A	22 dBi, Integral N Female Connector	70.00	65.80	61.60	57.40	53.20

2.4 GHz Grid Antennas

L-com's HyperLink® high performance reflector grid WiFi antennas are available in gain ranges of 15 dBi to 30 dBi and are ideally suited for long-range highly directional applications. These applications include point to point systems, point to multipoint systems and wireless bridges in the 2.4 GHz ISM band as well as IEEE 802.11b/g/n wireless LAN systems. L-com's grid antennas can be installed for either vertical or horizontal polarization. L-com has a new, full-featured lightweight grid offered as a HyperLink® value antenna for less demanding installations. Not all models are available in 5 packs.

SOLD INDIVIDUALLY (NO 5-PACKS)			1-9	10-24	25-99	100-249	250-499
HG2427G	A	27 dBi, Integral N Female Connector	175.00	164.50	154.00	143.50	133.00
HG2430G	B	30 dBi, 18in (45.7cm) Pigtail with N Female Connector	429.99	412.79	395.59	365.49	322.49
HG2430G-NM	B	30 dBi, 18in (45.7cm) Pigtail with N Male Connector	479.99	451.19	422.39	393.59	364.79
SOLD INDIVIDUALLY				1-4	5-9	10-24	25+
HG2415EG-NF	A	15 dBi, 12in (30.5cm) Pigtail with N Female Connector		35.00	34.65	34.30	33.95
HG2415EG-NM	A	15 dBi, 12in (30.5cm) Pigtail with N Male Connector		35.00	34.65	34.30	33.95
HG2420EG-NF	A	20 dBi, 12in (30.5cm) Pigtail with N Female Connector		40.00	36.00	32.00	28.00
HG2420EG-NM	A	20 dBi, 12in (30.5cm) Pigtail with N Male Connector		40.00	39.60	39.20	38.80
HG2424EG-NF	A	24 dBi, 12in (30.5cm) Pigtail with N Female Connector, Lightweight Grid		45.00	44.55	44.10	43.65
HG2424EG-NM	A	24 dBi, 12in (30.5cm) Pigtail with N Male Connector, Lightweight Grid		45.00	44.55	44.10	43.65
5-PACKS				1-4	5-9	10-24	25+
HG2415EG-NF-5PK	A	15 dBi, 12in (30.5cm) Pigtail with N Female Connector, 5-Pack		150.00	141.00	132.00	123.00
HG2415EG-NM-5PK	A	15 dBi, 12in (30.5cm) Pigtail with N Male Connector, 5-Pack		150.00	141.00	132.00	123.00
HG2420EG-NF-5PK	A	20 dBi, 12in (30.5cm) Pigtail with N Female Connector, 5-Pack		175.00	164.50	154.00	143.50
HG2420EG-NM-5PK	A	20 dBi, 12in (30.5cm) Pigtail with N Male Connector, 5-Pack		175.00	164.50	154.00	143.50
HG2424EG-NF-5PK	A	24 dBi, 12in (30.5cm) Pigtail with N Female Connector, Lightweight Grid, 5-Pack		200.00	188.00	176.00	164.00
HG2424EG-NM-5PK	A	24 dBi, 12in (30.5cm) Pigtail with N Male Connector, Lightweight Grid, 5-Pack		200.00	188.00	176.00	164.00

900 MHz, 3.5 GHZ, 4.9 GHz and 5.8 GHz Grid Antennas

L-com's HyperLink® grid antennas feature a multi-piece reflector grid. With this type of design they are not only easy to assemble, but it significantly reduces shipping costs compared to similar antennas with one piece reflector grid.

900 MHz Grid Antennas

SOLD INDIVIDUALLY			1-4	5-9	10-24	25+
HG8915EG	A	15 dBi, Integral N Female Connector	69.99	67.19	64.39	59.49
HG918G-NF-4	B	18 dBi, 18in Pigtail with N Female Connector 4 Piece Grid	327.99	314.87	301.75	288.63

3.5 GHz Grid Antennas

SOLD INDIVIDUALLY			1-4	5-9	10-24	25+
HG3527EG	A	27 dBi, Integral N Female Connector	87.99	84.47	80.95	77.43

4.9 GHz Grid Antennas

SOLD INDIVIDUALLY			1-4	5-9	10-24	25+
HG4929G-NF	A	29 dBi, 12in (30.5cm) Pigtail with N Female Connector	79.99	73.59	67.19	60.79
HG4929G-NM	A	29 dBi, 12in (30.5cm) Pigtail with N Male Connector	79.99	73.59	67.19	60.79
5-PACKS			1-4	5-9	10-24	25+
HG4929G-NF-5PK	A	29 dBi, 12in (30.5cm) Pigtail with N Female Connector, 5-Pack	374.99	344.99	314.99	284.99
HG4929G-NM-5PK	A	29 dBi, 12in (30.5cm) Pigtail with N Male Connector, 5-Pack	374.99	344.99	314.99	284.99

4.9-5.8 GHz Grid Antennas

SOLD INDIVIDUALLY			1-4	5-9	10-24	25+
HG4958-22EG	A	22 dBi, Integral N Female Connector	47.00	46.53	46.06	45.59
HG4958-27EG	A	27 dBi, Integral N Female Connector	52.00	51.48	50.96	50.44
5-PACKS			1-4	5-9	10-24	25+
HG4958-22EG-5PK	A	22 dBi, Integral N Female Connector, 5-Pack	210.00	197.40	184.80	172.20
HG4958-27EG-5PK	A	27 dBi, Integral N Female Connector, 5-Pack	235.00	220.90	206.80	192.70

5.8 GHz Grid Antennas

SOLD INDIVIDUALLY			1-4	5-9	10-24	25+
HG5822EG	A	22 dBi, Integral N Female Connector	45.00	44.55	44.10	43.65
HG5827EG	A	27 dBi, Integral N Female Connector	50.00	49.50	49.00	48.50
5-PACKS			1-4	5-9	10-24	25+
HG5822EG-5PK	A	22 dBi, Integral N Female Connector, 5-Pack	200.00	188.00	176.00	164.00
HG5827EG-5PK	A	27 dBi, Integral N Female Connector, 5-Pack	225.00	211.50	198.00	184.50

L-com Grid Antenna Replacement Hardware

L-com now offers replacement parts for your parabolic grids. These spare part kits consist of the grid, pole mounting bracket and hardware.

		1-4	5-9	10-24	25+
HGGH-04	400mm Grid Replacement Hardware	20.00	19.80	19.60	19.40
HGGH-04-5PK	400mm Grid Replacement Hardware, 5-Pack	75.00	70.50	66.00	61.50
HGGH-06	600mm Grid Replacement Hardware	24.00	23.76	23.52	23.28
HGGH-06-5PK	600mm Grid Replacement Hardware, 5-Pack	95.00	89.30	83.60	77.90
HGGH-10	1000mm Grid Replacement Hardware	36.00	35.64	35.28	34.92
HGGH-10-5PK	1000mm Grid Replacement Hardware, 5-Pack	155.00	145.70	136.40	127.10

Additional connector options available at L-com.com.

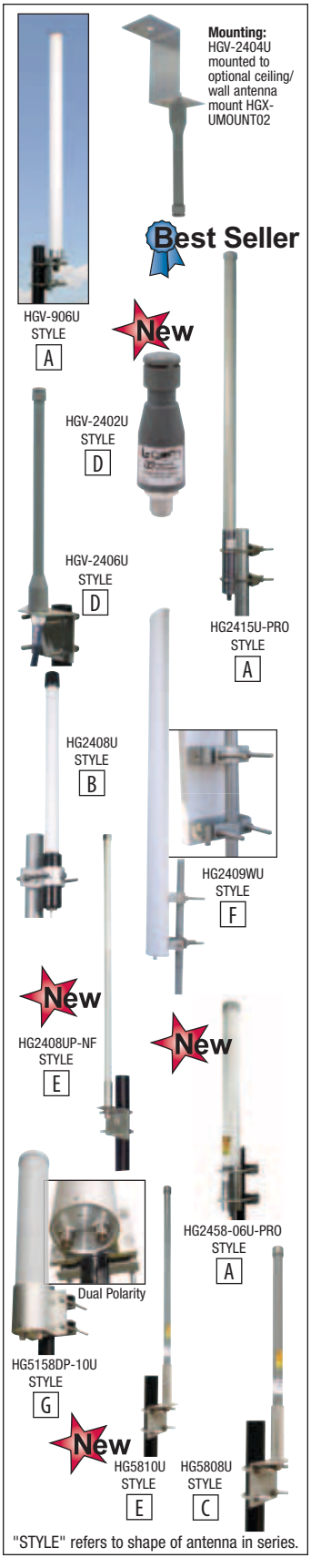
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L-com Global Connectivity

HyperLink® Omnidirectional Antennas - Versatile Mounting Options and All-Weather Design

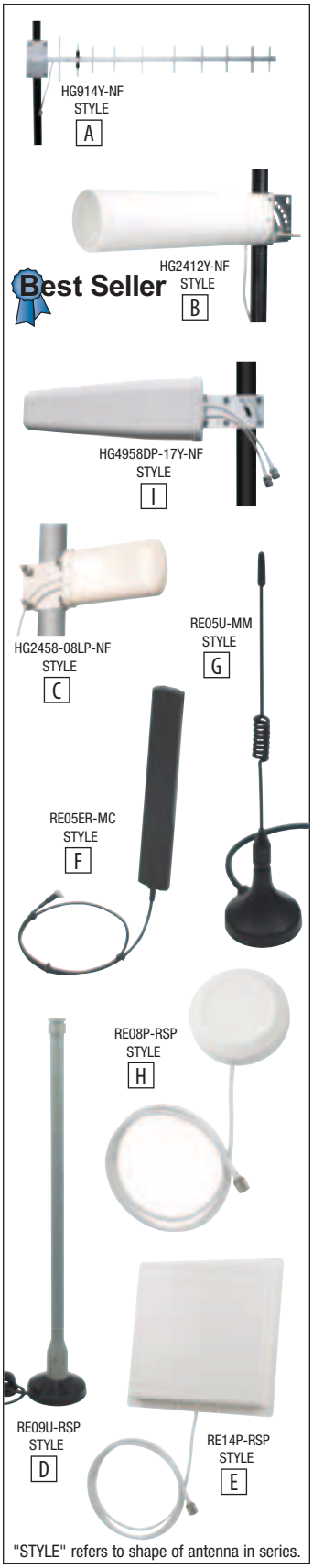
L-com offers a wide range of WiFi Omnidirectional antennas for multipoint applications where very wide coverage is desired. Designed to operate in the harshest of environments, L-com's Omni antennas far exceed other Omnidirectional antennas.

Item #	Style	Description	1-9	10-24	25-99	100-249	250-499
900 MHz Omnidirectional Antennas							
HGV-906U	A	6 dBi, Integral N Female Connector	54.99	52.79	50.59	46.74	41.24
HG908U-PRO	A	8 dBi, Integral N Female Connector	125.00	112.50	100.00	87.50	75.00
1.9 GHz Omnidirectional Antennas							
HG1911U-PRO	A	11 dBi, Integral N Female Connector	75.00	72.75	70.50	68.25	66.00
HG1911U-PRO-5PK	A	11 dBi, Integral N Female Connector, 5-Pack	350.00	339.50	329.00	318.50	308.00
2.4 GHz Omnidirectional Antennas							
HGV-2402U	D	2 dBi, Integral N Female Connector	32.00	30.08	28.16	26.24	24.32
HGV-2404U	D	4 dBi, Integral N Female Connector	38.00	35.72	33.44	31.16	28.88
HGV-2406U	D	6 dBi, Integral N Female Connector	44.00	41.36	38.72	36.08	33.44
HGV-2409U	D	8.5 dBi, Integral N Female Connector	50.00	47.00	44.00	41.00	38.00
HG2405UP-NF	E	5 dBi, Integral N Female Connector	34.00	31.96	29.92	27.88	25.84
HG2407UP-NF	E	6.5 dBi, Integral N Female Connector	40.00	37.60	35.20	32.80	30.40
HG2408U-NF	B	8 dBi, 12in (30.5cm) Pigtail with N Female Connector	65.99	63.35	60.71	58.07	55.43
HG2408U-NM	B	8 dBi, 12in (30.5cm) Pigtail with N Male Connector	69.99	67.19	64.39	61.59	58.79
HG2408U-RBP	B	8 dBi, 12in (30.5cm) Pigtail with RP-BNC Plug Connector	75.99	72.95	69.91	66.87	63.83
HG2408U-RSP	B	8 dBi, 12in (30.5cm) Pigtail with RP-SMA Plug Connector	69.99	67.19	64.39	61.59	58.79
HG2408U-RTP	B	8 dBi, 12in (30.5cm) Pigtail with RP-TNC Plug Connector	69.99	67.19	64.39	61.59	58.79
HG2409U	A*	8.5 dBi, Integral N Male Connector	50.00	47.00	44.00	41.00	38.00
HG2409UP-NF	E	8.5 dBi, Integral N Female Connector	46.00	43.24	40.48	37.72	34.96
HG2409UM-RSP	B*	8.5 dBi, Marine, 3ft (0.9m) Pigtail with RP-SMA Plug Connector	109.99	98.99	87.99	76.99	65.99
HG2409U-PRO	A*	9 dBi, Integral N Female Connector	65.00	62.40	59.80	57.20	54.60
HG2409U-PRO-5PK	A*	9 dBi, Integral N Female Connector, 5-Pack	300.00	288.00	276.00	264.00	252.00
HG2409UDT-PRO	A	9 dBi, 7 Degree Down-Tilt, Integral N Female Connector	70.00	67.20	64.40	61.60	58.80
HG2411UDT-PRO	A	11 dBi, 8 Degree Electrical Down-Tilt with N Female Connector	80.00	77.60	75.20	72.80	70.40
HG2412U-PRO	A	12 dBi, 12in (30.5cm) Pigtail with N Female Connector ANATEL Certified	100.00	96.00	92.00	88.00	84.00
HG2412UP-NF	E	11.5 dBi, Integral N Female Connector	52.00	48.88	45.76	42.64	39.52
HG2415U-PRO	A	15 dBi, Integral N Female Connector	115.00	110.40	105.80	101.20	96.60
HG2415U-PRO-5PK	A	15 dBi, Integral N Female Connector, 5-Pack	500.00	480.00	460.00	440.00	420.00
* Similar to this style-see online Data Sheet for details.							
2.4 GHz Dual Polarized Omnidirectional Antennas							
HG2410DPU	G	8 dBi, Dual Polarity with N Female Connectors	165.00	151.80	138.60	125.40	112.20
HG2413DPU	G	13 dBi, Dual Polarity with N Female Connectors	225.00	207.00	189.00	171.00	153.00
2.4 GHz Horizontal Polarized Waveguide Omni Antenna							
HG2409WU	F	9 dBi, Horizontal Waveguide Omni Antenna, N Female Connector	149.99	134.99	119.99	104.99	89.99
HG2413WU	F	13 dBi, Horizontal Waveguide Omni Antenna, N Female Connector	174.99	157.49	139.99	122.49	104.99
2.4 GHz Omnidirectional MINI PRO Series Antenna							
HG2408UP-NF	E	8 dBi, 12in (30.5cm) Pigtail with N Female Connector	43.00	40.42	37.84	35.26	32.68
2.4/5.8 GHz Dual Band Omni Antenna							
HG2458-06U-PRO	A	6 dBi, Dual Band Omni Antenna, N Female Connectors	90.00	82.80	75.60	68.40	61.20
HG2458-06U-PRO-5PK	A	6 dBi, Dual Band Omni Antenna, N Female Connectors, 5-Pack	425.00	408.00	391.00	374.00	357.00
HG2458-09U-PRO	A	9 dBi, Dual Band Omni Antenna, N Female Connectors	100.00	92.00	84.00	76.00	68.00
HG2458-09U-PRO-5PK	A	9 dBi, Dual Band Omni Antenna, N Female Connectors, 5-Pack	475.00	456.00	437.00	418.00	399.00
2.6 GHz Omnidirectional Antennas							
HG2609U	*	8.5 dBi, Integral N Male Connector	59.99	55.19	50.39	45.59	40.79
* See online Data Sheet for style details.							
3.5 GHz Omnidirectional Antennas							
HG3509U-PRO	B	9 dBi, Integral N Female Connector	79.99	76.79	73.59	67.99	59.99
HG3512UP-NF	B	11 dBi, Integral N Female Connector	80.00	75.20	70.40	65.60	60.80
5.1-5.8 GHz Omnidirectional Antenna							
HG5158UP-NF	E	6 dBi, Integral N Female Connector	45.00	41.40	37.80	34.20	30.60
5.1-5.8 GHz Dual Polarized Omnidirectional Antennas							
HG5158DP-10U	G	10 dBi, Dual Polarity with N Female Connectors	125.00	117.50	110.00	102.50	95.00
HG5158DP-13U	G	13 dBi, Dual Polarity with N Female Connectors	165.00	155.10	145.20	135.30	125.40
5.8 GHz Omnidirectional Down-Tilt Antenna							
HG5811UDT-PRO	A	11 dBi, 8 Degree Electrical Down-Tilt with N Female Connector	77.99	74.87	71.75	68.63	65.51
5.8 GHz Omnidirectional Wireless LAN Antenna							
HG5810U	E	10 dBi, Wireless LAN, Integral N Female Connector	80.00	73.60	67.20	60.80	54.40
5.3-5.8 GHz Omnidirectional Antennas							
HG5310U	C	5.3 GHz, 10 dBi, Integral N Female Connector	69.99	67.19	64.39	59.49	52.49
HG5412U	C	5.4 GHz, 12 dBi, Integral N Female Connector	79.99	76.79	73.59	67.99	59.99
HG5806U-PRO	A	5.8 GHz, 6 dBi, Integral N Female Connector	65.00	62.40	59.80	57.20	54.60
HG5806U-PRO-5PK	A	5.8 GHz, 6 dBi, Integral N Female Connector, 5-Pack	300.00	276.00	252.00	228.00	204.00
HG5809U-PRO	A	5.8 GHz, 9 dBi, Integral N Female Connector	75.00	72.00	69.00	66.00	63.00
HG5809U-PRO-5PK	A	5.8 GHz, 9 dBi, Integral N Female Connector, 5-Pack	350.00	322.00	294.00	266.00	238.00
HG5808U	C	5.8 GHz, 8 dBi, Integral N Female Connector	70.00	64.40	58.80	53.20	47.60
HG5812U-PRO	A	5.8 GHz, 12 dBi, Integral N Female Connector	85.00	81.60	78.20	74.80	71.40
HG5812U-PRO-5PK	A	5.8 GHz, 12 dBi, Integral N Female Connector, 5-Pack	400.00	368.00	336.00	304.00	272.00



Same day shipping
Orders placed before 4:00 EST ship the same day.

L-com® Global Connectivity



"STYLE" refers to shape of antenna in series.

Item #	Style	Description	1-9	10-24	25-99	100-249	250-499

800 MHz, 900 MHz, 1.9 GHz, 2.4 GHz and 5.8 GHz Yagi Antennas - Designed for Long Range Directional Operation

These rugged outdoor rated directional Yagi antennas are ideally suited for IEEE 802.11b/g/n, PCS and 900 MHz ISM applications. HyperLink® offers both radome enclosed models as well as non-radome enclosed Yagi antennas. A multitude of gain and connector options are available.

800 MHz/2.4 GHz Log Periodic Antennas

HG824-09LP-NF	C	9 dBi, Log Periodic, 12in (30.5cm) Pigtail with N Female Connector	54.00	49.68	45.36	41.04	36.72
HG824-11LP-NF	C	11 dBi, Log Periodic, 12in (30.5cm) Pigtail with N Female Connector	60.00	55.20	50.40	45.60	40.80

900 MHz Yagi Antennas

HG903YE-NF	A	3 dBi, Aluminum, 15in (38.1cm) Pigtail with N Female Connector	24.99	22.49	19.99	17.49	14.99
HG906YE-NF	A	6 dBi, Aluminum, 15in (38.1cm) Pigtail with N Female Connector	27.99	25.19	22.39	19.59	16.79
HG909YE-NF	A	9 dBi, Aluminum, 15in (38.1cm) Pigtail with N Female Connector	31.99	28.79	25.59	22.39	19.19
HG912YE-NF	A	12 dBi, Aluminum, 15in (38.1cm) Pigtail with N Female Connector	33.99	30.59	27.19	23.79	20.39
HG914YE-NF	A	14 dBi, Aluminum, 15in (38.1cm) Pigtail with N Female Connector	41.99	37.79	33.59	29.39	25.19
HG909Y-NF	A	9 dBi, Stainless Steel, 18in (45.7cm) Pigtail with N Female Connector	31.99	30.71	29.43	27.19	23.99
HG909Y-NM	A	9 dBi, Stainless Steel, 18in (45.7cm) Pigtail with N Male Connector	45.99	44.15	42.31	39.09	34.49
HG913Y-NF	A	13 dBi, Stainless Steel, 18in (45.7cm) Pigtail with N Female Connector	47.99	46.07	44.15	40.79	35.99
HG913Y-NM	A	13 dBi, Stainless Steel, 18in (45.7cm) Pigtail with N Male Connector	59.99	57.59	55.19	50.99	44.99
HG914Y-NF	A	14 dBi, Aluminum, 12in (30.5cm) Pigtail with N Female Connector	119.99	115.19	110.39	101.99	89.99
HG914Y-NM	A	14 dBi, Aluminum, 12in (30.5cm) Pigtail with N Male Connector	134.99	129.59	124.19	114.74	101.24

1.9 GHz Yagi Antenna

HG1912SY-NF	A	12 dBi, Stainless Steel, 7in (17.8cm) Pigtail with N Female Connector	44.99	41.39	37.79	34.19	30.59

2.4 GHz Yagi Antennas

HG2409Y-NF	B	9 dBi, Radome Enclosed, 12in (30.5cm) Pigtail with N Female Connector	39.99	35.99	31.99	27.99	23.99
HG2409Y-NM	B	9 dBi, Radome Enclosed, 12in (30.5cm) Pigtail with N Male Connector	49.99	44.99	39.99	34.99	29.99
HG2412SY-NF	A	12 dBi, Stainless Steel, 7in (17.8cm) Pigtail with N Female Connector	44.99	41.39	37.79	34.19	30.59
HG2412Y-NF	B	12 dBi, Radome Enclosed, 12in (30.5cm) Pigtail with N Female Connector	44.99	40.49	35.99	31.49	26.99
HG2412Y-NM	B	12 dBi, Radome Enclosed, 12in (30.5cm) Pigtail with N Male Connector	54.99	49.49	43.99	38.49	32.99
HG2415Y-NF	B	14.5 dBi, Radome Enclosed, 12in (30.5cm) Pigtail with N Female Connector	44.99	41.39	37.79	34.19	30.59
HG2415Y-NM	B	14.5 dBi, Radome Enclosed, 12in (30.5cm) Pigtail with N Male Connector	44.99	41.39	37.79	34.19	30.59

2.4/5.8 GHz Log Periodic Antennas

HG2458-08LP-NF	C	8 dBi, Radome Enclosed, 9in (22.9cm) Pigtail with N Female Connector	64.99	58.49	51.99	45.49	38.99

4.9-5.8 GHz Dual Polarized Yagi Antenna

HG4958DP-17Y-NF	I	17 dBi, 12in (30.5cm) Pigtail with Two N Female Connectors	149.99	137.99	125.99	113.99	101.99

5.8 GHz Yagi Antenna

HG5817Y-NF	I	16.5 dBi, 10in (25.4cm) Pigtail with N Female Connector	69.99	65.79	61.59	57.39	53.19

900 MHz, 1.2 GHz, 1.9 GHz and 2.4 GHz Range Extender Antennas

HyperLink® range extender antennas can be used to achieve greater range than standard Rubber Duck antennas or a PC card's internal antenna. Full 360° coverage is provided by the Omni-Directional antennas and the Patch style range extender antennas feature directional operation. This series supports various applications including 2.4 GHz IEEE 802.11b/g/n wireless LANs, 800-1800 MHz ISM, GSM and RFID.

800/900 MHz Range Extender Antennas

RE905U-SM	G	5 dBi, Integral MAG Mount Omni 4ft (1.2m) Cable SMA Male Connector	19.99	17.99	15.99	13.99	11.99
RE905U-TM	G	5 dBi, Integral MAG Mount Omni 4ft (1.2m) Cable TNC Male Connector	19.99	17.99	15.99	13.99	11.99
RE905U-RSP	G	5 dBi, Integral MAG Mount Omni 4ft (1.2m) Cable RP-SMA Plug Connector	19.99	18.39	16.79	15.19	13.59
RE905U-NM	G	5 dBi, Integral MAG Mount Omni 4ft (1.2m) Cable N Male Connector	24.99	22.49	19.99	17.49	14.99

900/1800-1900 MHz Range Extender Antennas

RE1903U-MC	G	3 dBi, Integral MAG Mount Omni 4ft (1.2m) Cable MC-Card Connector	15.99	14.39	12.79	11.19	CALL
RE1903U-NM	G	3 dBi, Integral MAG Mount Omni 4ft (1.2m) Cable N Male Connector	22.99	20.69	18.39	16.09	13.79
RE1903U-SM	G	3 dBi, Integral MAG Mount Omni 4ft (1.2m) Cable SMA Male Connector	17.99	16.19	14.39	12.59	10.79
RE1903U-SNP	G	3 dBi, Integral MAG Mount Omni 4ft (1.2m) Cable SMA Nano Connector	15.99	14.39	12.79	11.19	CALL
RE1903U-TM	G	3 dBi, Integral MAG Mount Omni 4ft (1.2m) Cable TNC Male Connector	22.99	20.69	18.39	16.09	13.79

1.2 GHz Range Extender Antenna

RE1208P-SM	E	8 dBi, 8in (20.3cm) Sq., 3ft (0.9m) Pigtail with SM Male Connector	29.99	29.09	28.49	CALL	CALL

2.4 GHz Range Extender Antennas

RE05ER-MC	F	5 dBi, 19in (22.9cm) Cable with MC-Card Connector	13.99	12.87	11.75	10.63	9.51
RE05ER-MM	F	5 dBi, 19in (22.9cm) Cable with MMCX Connector	15.99	14.71	13.43	12.15	10.87
RE05ET-RSP	F	5 dBi, Integral MAG Mount, 4ft (1.2m) Cable with RP-SMA Plug Connector	14.99	13.49	11.99	10.49	8.99
RE05U-MM	G	5 dBi, Integral MAG Mount, 4ft (1.2m) Cable with MMCX Connector	12.99	12.47	11.95	11.43	10.91
RE05U-RSP	G	5 dBi, Integral MAG Mount, 4ft (1.2m) Cable with RP-SMA Plug Connector	12.99	12.47	11.95	11.43	10.91
RE05U-RTP	G	5 dBi, Integral MAG Mount, 4ft (1.2m) Cable with RP-TNC Plug Connector	12.99	12.47	11.95	11.43	10.91
RE06P-RSP	E	6 dBi, 4in (10.2cm) Sq., 4ft (1.2m) Cable with RP-SMA Plug Connector	26.99	24.83	22.67	20.51	18.35
RE06P-RTP	E	6 dBi, 4in (10.2cm) Sq., 4ft (1.2m) Cable with RP-TNC Plug Connector	26.99	24.83	22.67	20.51	18.35
RE07U-MM	G	7 dBi, Integral MAG Mount, 4ft (1.2m) Cable with MMCX Connector	14.99	14.39	13.79	13.19	12.59
RE07U-RSP	G	7 dBi, Integral MAG Mount, 4ft (1.2m) Cable with RP-SMA Plug Connector	14.99	14.39	13.79	13.19	12.59
RE07U-RTP	G	7 dBi, Integral MAG Mount, 4ft (1.2m) Cable with RP-TNC Plug Connector	14.99	14.39	13.79	13.19	12.59
RE08P-RSP	H	8 dBi, 4in (10.2cm) Round, 4ft (1.2m) Cable with RP-SMA Plug Connector	31.99	28.79	25.59	22.39	19.19
RE08P-RTP	H	8 dBi, 4in (10.2cm) Round, 4ft (1.2m) Cable with RP-TNC Plug Connector	31.99	28.79	25.59	22.39	19.19
RE09U-RSP	D	8 dBi, Integral MAG Mount, 4ft (1.2m) Cable with RP-SMA Plug Connector	70.00	65.80	61.60	57.40	53.20
RE09U-RTP	D	8 dBi, Integral MAG Mount, 4ft (1.2m) Cable with RP-TNC Plug Connector	70.00	65.80	61.60	57.40	53.20
RE09P-RSP	E	8 dBi, 4in (10.2cm) Sq., 4ft (1.2m) Cable with RP-SMA Plug Connector	29.99	26.99	23.99	20.99	17.99
RE09P-RTP	E	8 dBi, 4in (10.2cm) Sq., 4ft (1.2m) Cable with RP-TNC Plug Connector	29.99	27.59	25.19	22.79	20.39
RE11DP-RSP	E	11 dBi, 8in (20.3cm) Sq., Dual Polarized, 3ft (0.9m) Cables with RP-SMA Plug Connectors	29.99	27.59	25.19	22.79	CALL
RE11DP-RTP	E	11 dBi, 8in (20.3cm) Sq., Dual Polarized, 3ft (0.9m) Cables with RP-TNC Plug Connectors	31.99	29.43	26.87	24.31	CALL
RE11DS-RSP	E	11 dBi, 8in (20.3cm) Sq., Dual Spatial, 3ft (0.9m) Cables with RP-SMA Plug Connectors	29.99	27.59	25.19	22.79	CALL
RE11DS-RTP	E	11 dBi, 8in (20.3cm) Sq., Dual Spatial, 3ft (0.9m) Cables with RP-TNC Plug Connectors	31.99	29.43	26.87	24.31	CALL
RE14P-RSP	E	14 dBi, 8in (20.3cm) Sq., 3ft (0.9m) Cable with RP-SMA Plug Connector	34.99	31.49	27.99	24.49	CALL
RE14P-RTP	E	14 dBi, 8in (20.3cm) Sq., 3ft (0.9m) Cable with RP-TNC Plug Connector	34.99	31.49	27.99	24.49	CALL

To see our full line of Range Extender Antennas go to L-com.com.

L-com Global Connectivity

Free technical support
Call toll free at 1-800-343-1455
if you have questions about your application.

Parabolic Dish Antennas - Superior Strength Design Ensures Durability

Our WiFi parabolic dish antennas feature a high quality aluminum reflector dish for superior strength. The dish is coated in a light gray UV-inhibited polymer for durability and aesthetics. These directional dish antennas can be used in point to point as well as point to multipoint applications.

Built to withstand the elements, HyperLink® dish antennas offer high performance at competitive prices. When designing these WiFi parabolic dish antennas, our design team factored in requirements such as location usage and environmental extremes. From versatile mounting options to features such as perforated reflectors, these antennas were built to withstand the test of time while maintaining optimal performance.

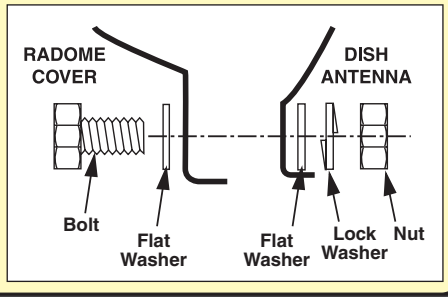
- Point-to-point systems
- Point-to-multipoint systems
- High quality aluminum construction
- All weather operation
- Many frequencies to choose from
- RoHS compliant

Item #	Style	Description	1-9	10-24	25-99	100-249	250-499
2.4 GHz Dish Antennas							
HG2414D	D	14 dBi, 260mm Dia, Integral N Female Connector	35.99	34.55	33.11	31.67	30.23
3.5 GHz Dish Antennas							
HG3515D	A	15 dBi, 196mm Dia, Integral N Female Connector	34.99	32.19	29.39	26.59	23.79
HG3516D	A	16 dBi, 246mm Dia, Integral N Female Connector	49.99	45.99	41.99	37.99	CALL
4.9 GHz Dish Antennas							
HG4931D	B	30.5 dBi, 900mm Dia, Integral N Female Connector	249.99	242.49	234.99	227.49	CALL
4.9-5.8 GHz Dual Polarity Dish Antennas							
HG4958DP-25D	B	25 dBi, 400mm Dia, Integral N Female Connector	125.00	120.00	115.00	110.00	105.00
HG4958DP-30D	B	30 dBi, Dual Polarity Dish Antenna, N Female Connectors	150.00	144.00	138.00	132.00	126.00
HG4958DP-34D	B	34 dBi, Dual Polarity Dish Antenna, N Female Connectors	275.00	264.00	253.00	242.00	231.00
5.4 GHz Dish Antennas							
HG5423D	B	23 dBi, 400mm Dia, Integral N Female Connector	129.99	124.79	119.59	110.49	97.49
HG5428D	B	28 dBi, 600mm Dia, Integral N Female Connector	167.99	161.27	154.55	147.83	141.11
HG5432D	B	32 dBi, 900mm Dia, Integral N Female Connector	239.99	232.79	225.59	218.39	CALL
5.8 GHz Dish Antennas							
HG5817D	A	17 dBi, 246mm Dia, Integral N Female Connector	41.99	40.31	38.63	36.95	35.27
HG5824D	B	24 dBi, 400mm Dia, Integral N Female Connector	138.00	126.96	115.92	104.88	93.84
HG5829D	B	29 dBi, 600mm Dia, Integral N Female Connector	170.00	156.40	142.80	129.20	115.60
HG5833D	B	33 dBi, 900mm Dia, Integral N Female Connector	250.00	242.50	235.00	227.50	CALL
5.1/5.8 GHz Broadband Dish Antennas							
HG5158D	C	30 dBi, Offset Feed, 830mm Dia, Integral N Female Connector	157.99	153.25	148.51	143.77	CALL
HG5158-23D	B	23 dBi Broadband Parabolic Dish	138.00	126.96	115.92	104.88	93.84
HG5158-28D	B	28 dBi, 600mm Dia, Integral N Female Connector	170.00	156.40	142.80	129.20	115.60
HG5158-31D	B	31 dBi, 900mm Dia, Integral N Female Connector	250.00	230.00	210.00	190.00	170.00
HG5158DP-29D	B	28.5 dBi, Dual Polarized, 600mm Dia, Integral N Female Connectors	259.99	249.59	239.19	228.79	218.39
HG5158DP-32D	B	32 dBi, Dual Polarized, 900mm Dia, Integral N Female Connectors	339.99	326.39	312.79	299.19	285.59

Tip *Easily attach a radome cover*

L-com's HyperLink® radome kits bolt directly to the dish antennas with the provided stainless steel hardware. Drilling mounting holes in the antenna is not required. The radome cover can be attached to existing antennas already mounted in the field or preassembled to the antenna before mounting.

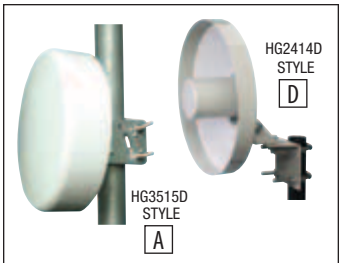
The Radome offers protection to the antenna from the elements, such as Ice, Sleet, Hail, Dust and Blowing Dirt/Sand. It also streamlines the aerodynamic shape of the antenna, reducing the wind loading on the face. The Radome thus contributes to extending the life of the antenna and the installation.



Radome Cover Kits

HyperLink® radome covers are an ideal way to provide additional protection to our parabolic dish antennas. These lightweight radome kits feature fiberglass construction and UV stable gray finish. Drain holes are provided on the radome cover to help prevent moisture build-up inside the dish antenna.

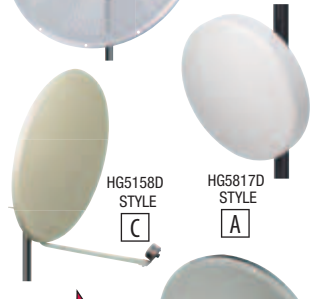
HGR-04		Radome Cover Kit for 400mm Dia Dish	42.99	39.55	36.11	32.67	29.23
HGR-06		Radome Cover Kit for 600mm Dia Dish	54.99	51.69	48.39	45.09	41.79
HGR-09		Radome Cover Kit for 900mm Dia Dish	64.99	62.39	59.79	55.24	48.74



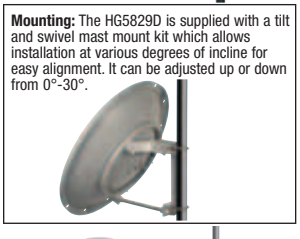














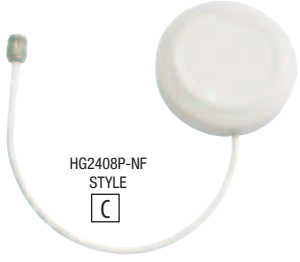
Fiberglass Cover Kits - Protects against the elements.

"STYLE" refers to shape of antenna in series.

To see our entire product offering
go to...L-com.com

L-com® Global Connectivity


HG2414PEV
STYLE
E


HG2408P-NF
STYLE
C


New
HG8909P
STYLE
D


New
HG908PCL
STYLE
A


HG2416P
STYLE
A


HG2410DP
STYLE
B

"STYLE" refers to shape of antenna in series.

Item #	Style	Description	1-9	10-24	25-99	100-249	250-499

HyperLink® Patch and Panel Antennas - Compact and Lightweight

These high performance directional patch and panel antennas are available for indoor and outdoor applications covering multiple popular frequencies. Our patch antennas are lightweight and feature aesthetic UV-stable, UL flame rated plastic radomes which can also be painted to match the room or building structure. Designed to be installed for horizontal or vertical polarization, they can be wall or ceiling mounted, as well as mast mounted using U-bolts. Designed specifically as cost-effective solutions for today's demanding wireless applications, HyperLink® patch and panel antenna products offer a unique combination of superior all-weather performance, durability and aesthetics. Applications include IEEE 802.11b/g/n, 900 MHz cellular, RFID, 802.16, 802.20 and WiMAX.

Mast Mounting:
L-com's patch antennas offer several unique mounting options. They can be mounted flat against a wall, or to a mast using a pair of 2 inch U-bolts. The antennas also accept most tilt-and-swivel security camera brackets equipped with standard 1/4-20 threads.


HG2414P - Rear view


HG2408P-NF - Rear view

Flush Mount:
The HG2408P-NF can be mounted flat against the wall or ceiling. Its unique design allows the cable to exit out of the side or from the back of the unit which is ideal for mounting in locations that require the cable to be hidden.

HyperLink® Patch and Panel Antennas - Compact and Lightweight

These are low cost high gain antennas that come with their own enclosure space within the antenna radome. Mount your wireless card radio behind the antenna and seal the radome. All come with quick connect Cat5/6 connections. Antenna pigtail cable options are RP-SMA Plug, RP-TNC Plug, MMCX and UFL (with others available).

HyperLink® Family of 2.4 GHz, 3.5 GHz and 5.1-5.8 GHz Panel Enclosure Antennas

HG2414PEV	E	2.4 GHz 14 dBi Panel Enclosure Antenna	30.00	29.70	29.40	29.10	28.80
HG2414PEV-MMCX	E	2.4 GHz 14 dBi Panel Enclosure Antenna, MMCX Antenna Cable	35.00	34.65	34.30	33.95	33.60
HG2414PEV-RSP	E	2.4 GHz 14 dBi Panel Enclosure Antenna, RP-SMA Plug Antenna Cable	35.00	34.65	34.30	33.95	33.60
HG2414PEV-RTP	E	2.4 GHz 14 dBi Panel Enclosure Antenna, RP-TNC PLug Antenna Cable	35.00	34.65	34.30	33.95	33.60
HG2414PEV-UFL	E	2.4 GHz 14 dBi Panel Enclosure Antenna, UFL Antenna Cable	35.00	34.65	34.30	33.95	33.60
HG3514PEV	E	3.5 GHz 14 dBi Panel Enclosure Antenna	49.99	47.99	45.99	43.99	41.99
HG3514PEV-MMCX	E	3.5 GHz 14 dBi Panel Enclosure Antenna, MMCX Antenna Cable	54.99	52.79	50.59	48.39	46.19
HG3514PEV-RSP	E	3.5 GHz 14 dBi Panel Enclosure Antenna, RP-SMA Plug Antenna Cable	54.99	52.79	50.59	48.39	46.19
HG3514PEV-RTP	E	3.5 GHz 14 dBi Panel Enclosure Antenna, RP-TNC PLug Antenna Cable	54.99	52.79	50.59	48.39	46.19
HG3514PEV-UFL	E	3.5 GHz 14 dBi Panel Enclosure Antenna, UFL Antenna Cable	54.99	52.79	50.59	48.39	46.19
HG5158PEV	E	5.1 GHz to 5.8 GHz 18 dBi Panel Enclosure Antenna	54.99	52.79	50.59	48.39	46.19
HG5158PEV-MMCX	E	5.1 GHz to 5.8 GHz 18 dBi Panel Enclosure Antenna, MMCX Antenna Cable	59.99	57.59	55.19	52.79	50.39
HG5158PEV-RSP	E	5.1 GHz to 5.8 GHz 18 dBi Panel Enclosure Antenna, RP-SMA Plug Antenna Cable	59.99	57.59	55.19	52.79	50.39
HG5158PEV-RTP	E	5.1 GHz to 5.8 GHz 18 dBi Panel Enclosure Antenna, RP-TNC PLug Antenna Cable	59.99	57.59	55.19	52.79	50.39
HG5158PEV-UFL	E	5.1 GHz to 5.8 GHz 18 dBi Panel Enclosure Antenna, UFL Antenna Cable	59.99	57.59	55.19	52.79	50.39

900 MHz Patch Antennas

HG908P-NF	A	8 dBi, 8in (20.3cm) Sq., 12in (30.5cm) Pigtail with N Female Connector	44.99	40.49	35.99	31.49	26.99
HG908P-SM	A	8 dBi, 8in (20.3cm) Sq., 12in (30.5cm) Pigtail with SMA Male Connector	54.99	49.49	43.99	38.49	32.99
HG8909P	D	9 dBi, Heavy Duty with Integral N Female Connector	50.00	48.00	46.00	44.00	42.00

900 MHz Circular Polarized Patch Antennas

HG908PCL-NF	A	8 dBi, Left Hand, Circular Polarized, 12in (30.5cm) Pigtail with N Female Connector	45.00	43.20	41.40	39.60	37.80
HG908PCL-NM	A	8 dBi, Left Hand, Circular Polarized, 12in (30.5cm) Pigtail with N Male Connector	45.00	43.20	41.40	39.60	37.80
HG908PCL-RTP	A	8 dBi, Left Hand, Circular Polarized, 12in (30.5cm) Pigtail with RP-TNC Plug Connector	45.00	43.20	41.40	39.60	37.80
HG908PCL-RSP	A	8 dBi, Left Hand, Circular Polarized, 12in (30.5cm) Pigtail with RP-SMA Plug Connector	45.00	43.20	41.40	39.60	37.80
HG908PCL-SM	A	8 dBi, Left Hand, Circular Polarized, 12in (30.5cm) Pigtail with SMA Male Plug Connector	45.00	43.20	41.40	39.60	37.80
HG908PCR-NF	A	8 dBi, Right Hand, Circular Polarized, 12in (30.5cm) Pigtail with N Female Connector	45.00	43.20	41.40	39.60	37.80
HG908PCR-NM	A	8 dBi, Right Hand, Circular Polarized, 12in (30.5cm) Pigtail with N Male Connector	45.00	43.20	41.40	39.60	37.80
HG908PCR-RTP	A	8 dBi, Right Hand, Circular Polarized, 12in (30.5cm) Pigtail with RP-TNC Plug Connector	45.00	43.20	41.40	39.60	37.80
HG908PCR-RSP	A	8 dBi, Right Hand, Circular Polarized, 12in (30.5cm) Pigtail with RP-SMA Plug Connector	45.00	43.20	41.40	39.60	37.80
HG908PCR-SM	A	8 dBi, Right Hand, Circular Polarized, 12in (30.5cm) Pigtail with SMA Male Plug Connector	45.00	43.20	41.40	39.60	37.80

1.9 GHz Patch Antennas

HG1908P-NF	A	8 dBi, 4in (10.2cm) Sq., 12in (30.5cm) Pigtail with N Female Connector	39.99	35.99	31.99	27.99	23.99
HG1912P-NF	A	12 dBi, 8in (20.3cm) Sq., 12in (30.5cm) Pigtail with N Female Connector	49.99	48.49	46.99	45.49	CALL

2.4 GHz Patch Antennas

HG2408P-NF	C	8 dBi, 4in (10.2cm) Round, 12in (30.5cm) Pigtail with N Female Connector	24.99	22.49	19.99	17.49	14.99
HG2409PCL-NF	A	8 dBi, 4in (10.2cm) Sq., LH Cir Polarized, 12in (30.5cm) Pigtail with N Female Connector	14.99	13.79	12.59	11.39	10.19
HG2409PCR-NF	A	8 dBi, 4in (10.2cm) Sq., RH Cir Polarized, 12in (30.5cm) Pigtail with N Female Connector	28.99	26.09	23.19	20.29	17.39
HG2409P-NF	A	8 dBi, 4in (10.2cm) Sq., 12in (30.5cm) Pigtail with N Female Connector	28.99	26.09	23.19	20.29	17.39
HG2412P	B	12 dBi, 4in (10.2cm) Sq., Integral N Female Connector	25.99	23.91	21.83	19.75	17.67
HG2414P	A	14 dBi, 8in (20.3cm) Sq., Integral N Female Connector	36.99	34.03	31.07	28.11	25.15
HG2414P-NF	A	14 dBi, 8in (20.3cm) Sq., 12in (30.5cm) Pigtail with N Female Connector	32.99	31.01	29.03	27.05	25.07
HG2416P	A	15.5 dBi, 8in (20.3cm) Sq., Integral N Female Connector	47.99	44.15	40.31	36.47	32.63
HG2418P	D	18 dBi, 12in (30.5cm) Pigtail with N Female Connector	52.99	50.87	48.75	46.63	44.51
HG2458-09P	A	9 dBi, 8in (20.3cm) Sq., Multi-Band, Integral N Female Connector	69.99	64.39	58.79	53.19	47.59

2.4 GHz Dual Polarized Mini Panel Antenna

This very compact panel 2.4 GHz multiple-input and multiple-output (MIMO) patch antenna is designed to operate with many manufacturers' enterprise-class 802.11n MIMO access points (APs). The antenna features two integrated 2.4 GHz patch antennas in one enclosure, making it an ideal and aesthetically pleasing antenna to support demanding indoor or outdoor applications in next generation IEEE 802.11n wireless communication systems.

HG2410DP	B	10 dBi, Dual Polarized Mini Panel with N Female Connectors	29.99	27.59	25.19	22.79	20.39
HG2414DP-3NF	D	14 dBi, Dual Polarized Panel with N Female Connectors	100.00	92.00	84.00	76.00	68.00

Call for special connectors and cable lengths

L-com Global Connectivity

Connect with L-com Global Connectivity

Item #	Style	Description	1-9	10-24	25-99	100-249	250-499

2.4 GHz Wide Angle Patch Antennas

These compact 2.4 GHz WiFi antennas provide 5 dBi Gain with broad horizontal beam width of 135 degrees. They are ideally suited for applications requiring coverage of a wide area such as an office, public hotspot, Industrial or warehouse use. These antennas are lightweight and feature an aesthetic UV-stable, white ABS UL Flame Rated radome and can also be painted to match the room or building structure. The HG2405P-135 can be installed for horizontal or vertical polarization.

HG2405P-135-NF	B*	5 dBi, Wide Angle, 12in (30.5cm) N Female Connector	32.99	31.01	29.03	27.05	25.07
HG2405P-135-NM	B*	5 dBi, Wide Angle, 4ft (1.2m) N Male Connector	32.99	31.01	29.03	27.05	25.07
HG2405P-135-RSP	B*	5 dBi, Wide Angle, 4ft (1.2m) RP-SMA Plug Connector	32.99	31.01	29.03	27.05	25.07
HG2405P-135-RTP	B*	5 dBi, Wide Angle, 4ft (1.2m) RP-TNC Plug Connector	32.99	31.01	29.03	27.05	25.07
HG2405SD-135-NF	B	5 dBi, Wide Angle Spatial Diversity, 12in (30.5cm) Dual N Female Connectors	37.99	34.95	31.91	28.87	25.83
HG2405SD-135-NM	B	5 dBi, Wide Angle Spatial Diversity, 4ft (1.2m) Dual N Male Connectors	39.99	36.79	33.59	30.39	27.19
HG2405SD-135-RSP	B	5 dBi, Wide Angle Spatial Diversity, 4ft (1.2m) Dual RP-SMA Plug Connectors	39.99	36.79	33.59	30.39	27.19
HG2405SD-135-RTP	B	5 dBi, Wide Angle Spatial Diversity, 4ft (1.2m) Dual RP-TNC Plug Connectors	39.99	36.79	33.59	30.39	27.19

*Similar to this antenna, but with one antenna lead.

2.4/5.8 GHz Wide Angle Patch Antennas

These compact 2.4/5.8 GHZ WiFi antennas provide Dual Frequency diversity to improve connectivity and data throughput. They provide wide angle pattern to give the provider excellent area coverage from one antenna site.

HG2458-5P-135-NF	B	5 dBi, Wide Angle, 12in (30.5cm) N Female Connector	39.99	36.79	33.59	30.39	27.19
HG2458-5P-135-NM	B	5 dBi, Wide Angle, 12in (30.5cm) N Male Connector	41.99	38.63	35.27	31.91	28.55
HG2458-5P-135-RSP	B	5 dBi, Wide Angle, 12in (30.5cm) RP-SMA Plug Connector	41.99	38.63	35.27	31.91	28.55
HG2458-5P-135-RTP	B	5 dBi, Wide Angle, 12in (30.5cm) RP-TNC Plug Connector	41.99	38.63	35.27	31.91	28.55

2.4/5.8 GHz Patch Antennas

HG2458-09P	A	9 dBi, Flat Patch, with Integral N Female Connector	69.99	64.39	58.79	53.19	47.59
HG2458-20P	A	20 dBi, 2.4 GHz / 5.1-5.8 GHz Flat Patch, with Integral N Female Connector	124.99	119.99	114.99	109.99	104.99
HG2458-14DP-3NF	A	14 dBi, 2.4 GHz / 5.8 GHz Dual Polarized Panel Antenna with N Female Connectors	124.99	112.49	99.99	87.49	74.99

2.6 GHz Patch Antenna

HG2614P-NF	A	14 dBi, 8in (20.3cm) Sq., 12in (30.5cm) Pigtail with N Female Connector	44.99	40.49	35.99	31.49	26.99

Tip ***Custom Manufacturing***

L-com is unique among most WiFi antenna vendors by also being an antenna manufacturer. Being a manufacturer allows us to provide custom variations of all the antennas we manufacture in house or resell. A typical custom request may be to change the length of an antenna lead or pigtail to accommodate a specific installation of the antenna. Another may be a change to the connector or connectors required for a specific radio connection. In most cases we can ship out a large custom order in less than a week. Small custom orders are usually shipped on the same day they are received. L-com offers a broad range of antenna types covering 800 – 6000 MHz. Learn more at L-com.com.

3.5 GHz, 4.9 GHz, 5.1 GHz, 5.3 GHz, 5.4 GHz and 4.9/5.8 GHz Patch Antennas

L-com's extensive line of patch antennas that cover frequencies from 3.5 to 5.8 GHz are ideal for applications such as WiMAX and public safety. Several of the patch antennas are broadband/multi-band antennas that eliminate the need to purchase different antennas for each frequency being used. This simplifies installations since the same antenna can be used for a wide array of wireless applications.

3.5 GHz Patch Antennas

HG3509P-NF	A	8 dBi, 4in (10.2cm) Sq., 12in (30.5cm) Pigtail with N Female Connector	39.99	35.99	31.99	27.99	23.99
HG3514P-NF	A	14 dBi, 8in (20.3cm) Sq., 12in (30.5cm) Pigtail with N Female Connector	49.99	44.99	39.99	34.99	29.99
HG3516DP	A	16 dBi, Dual Polarized Panel Antenna with N Female Connectors	124.99	112.49	99.99	87.49	74.99

4.9 GHz Patch Antennas

HG4953P	A	8 dBi, 4in (10.2cm) Sq., Broadband, Integral SMA Male Connector	49.99	44.99	39.99	34.99	29.99
HG4911P	A	11 dBi, 4in (10.2cm) Sq., Integral SMA Female Connector	49.99	44.99	39.99	34.99	29.99

5.3 GHz Patch Antenna

HG5311P	A	11 dBi, 4in (10.2cm) Sq., Integral SMA Female Connector	49.99	44.99	39.99	34.99	29.99

5.4 GHz Patch Antennas

HG5411P	A	11 dBi, 4in (10.2cm) Sq., Integral SMA Female Connector	49.99	47.99	45.99	42.49	37.49
HG5419P	A	19 dBi, 7in (17.8cm) Sq., Integral N Female Connector	49.99	47.99	45.99	43.99	41.99

5.8 GHz Patch Antennas

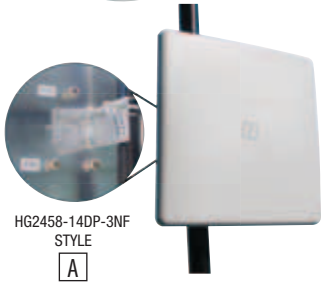
HG5811P	A	11 dBi, 4in (10.2cm) Sq., Integral SMA Female Connector	49.99	44.99	39.99	34.99	29.99
HG5819P	A	19 dBi, 7in (17.8cm) Sq., Integral N Female Connector	49.99	47.99	45.99	43.99	41.99
HG5158P	A	8 dBi, 4in (10.2cm) Sq., Broadband, Integral SMA Female Connector	49.99	44.99	39.99	34.99	29.99
HG5158-23P	A	23 dBi, 12in (30.5cm) Sq., Broadband, Integral N Female Connector	82.99	80.50	78.01	75.52	73.03

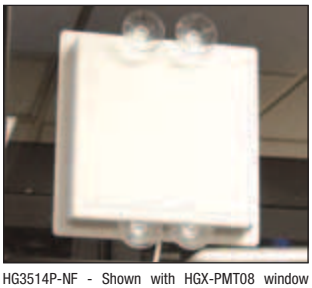
4.9 to 5.8 GHz Broadband Patch Antenna

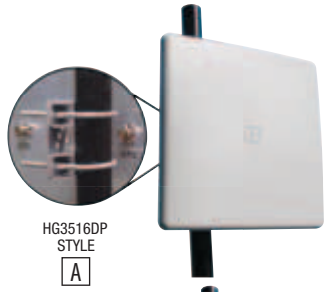
HG4958-23P	A	23 dBi, 12in (30.5cm) Sq., Broadband, Integral N Female Connector	82.99	80.50	78.01	75.52	73.03
HG4958-19DP	A	19 dBi, Dual Polarized Panel Antenna with N Female Connectors	84.99	78.19	71.39	64.59	57.79
HG4958-07PCL	A	7 dBi, Circular Polarized Flat Patch Antenna, SMA Female Connector	64.99	59.79	54.59	49.39	44.19
HG4958-07PCR	A	7 dBi, Circular Polarized Flat Patch Antenna, SMA Female Connector	64.99	59.79	54.59	49.39	44.19

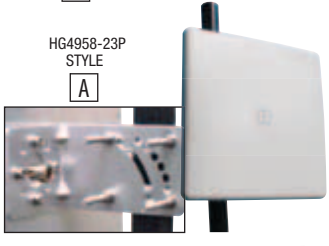
Call for special connectors and cable lengths

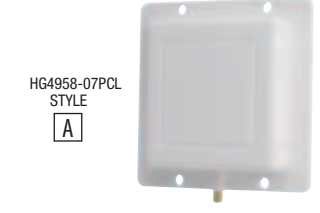





HG3514P-NF - Shown with HGX-PMT08 window mount kit. See L-com.com for more mounting options.



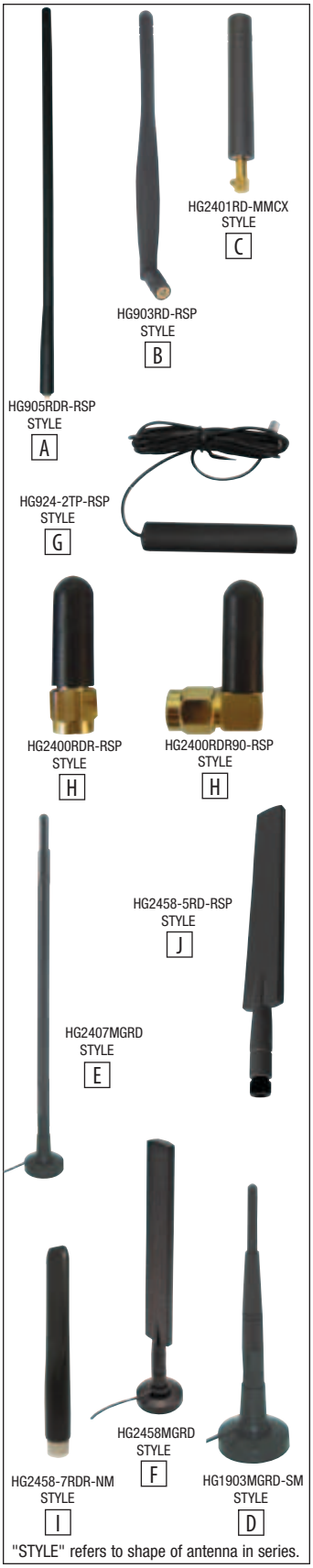




"STYLE" refers to shape of antenna in series.

Informative e-mail newsletters
Our newsletters are packed with tips, tutorials, product info and downloads! L-com.com/Newsletter

L-com® Global Connectivity



"STYLE" refers to shape of antenna in series.

Item #	Style	Description	1-9	10-24	25-99	100-249	250-499

900 MHz, 1.9 GHz, 2.4/5.8 GHz and 3.5 GHz Rubber Duck Antennas

These high performance Omnidirectional rubber duck antennas provide broad coverage and multiple gain options. HyperLink® flexible rubber duck antennas feature tilt-and-swivel connectors allowing them to be used vertically, at a right angle, or any angle in-between. Suitable as a replacement RF antenna for radios, wireless video transmitters and receivers, as well as digital spread spectrum radios.

900 MHz Rubber Duck Antennas

HG903RD-RSP	B	3 dBi, Integral Tilt/Swivel RP-SMA Plug Connector	10.99	9.89	8.79	7.69	6.59
HG903RD-SM	B	3 dBi, Integral Tilt/Swivel SM Male Connector	10.99	9.89	8.79	7.69	6.59
HG905RD-RSP	B	5 dBi, Integral Tilt/Swivel RP-SMA Plug Connector	19.99	17.99	15.99	13.99	11.99
HG905RD-SM	B	5 dBi, Integral Tilt/Swivel SM Male Connector	19.99	17.99	15.99	13.99	11.99
HG905RDR-RSP	A	5 dBi, Integral Rigid RP-SMA Plug Connector	19.99	17.99	15.99	13.99	11.99

800 MHz/2.4 GHz Tri Band/Quad Band WiFi Antennas

HG924-2TP-RSP	G	2 dBi, QUAD Band/WiFi 2.4 GHz Patch, with RP-SMA Plug Connector	14.99	14.09	13.19	12.29	11.39

1.9 GHz Rubber Duck Antenna

HG1903RD-RSP	B	3 dBi, Integral Tilt/Swivel RP-SMA Plug Connector	9.99	8.99	7.99	6.99	5.99

2.4 GHz Rubber Duck Antennas

HG2400RDR-RSP	H	0 dBi, Stubby Integral Rigid RP-SMA Plug Connector	7.99	7.19	6.39	5.59	4.79
HG2400RDR90-RSP	H	0 dBi, Stubby Integral Rigid 90° RP-SMA Plug Connector	8.49	7.64	6.79	5.94	5.09
HG2401RD-MC	C	1 dBi, Integral Rt Angle Fixed Mount MC Card Connector	2.99	CALL	CALL	CALL	CALL
HG2401RD-MMCX	C	1 dBi, Integral Rt Angle Fixed Mount MMCX Connector	4.99	4.79	4.59	4.24	3.74
HG2402RD-RSF	B	2.2 dBi, Integral Tilt/Swivel RP-SMA Plug Connector	5.99	5.39	4.79	4.19	3.59
HG2402RDR-RSP	A	2 dBi, Integral Rigid RP-SMA Plug Connector	6.49	5.84	5.19	4.54	3.89
HG2403RD-NM	B	3 dBi, Integral Tilt/Swivel N Male Connector	7.99	7.19	6.39	5.59	4.79
HG2403RD-RSF	B	3 dBi, Integral Tilt/Swivel RP-SMA Plug Connector	7.99	7.19	6.39	5.59	4.79
HG2403RD-RTF	B	3 dBi, Integral Tilt/Swivel RP-TNC Plug Connector	7.99	7.19	6.39	5.59	4.79
HG2405RD-NM	B	5 dBi, Integral Tilt/Swivel N Male Connector	14.99	13.49	11.99	10.49	8.99
HG2405RD-RSP	B	5 dBi, Integral Tilt/Swivel RP-SMA Connector	9.99	8.99	7.99	6.99	5.99
HG2405RD-RTP	B	5 dBi, Integral Tilt/Swivel RP-TNC Connector	9.99	8.99	7.99	6.99	5.99
HG2407RD-NM	B	7 dBi, Integral Tilt/Swivel N Male Connector	14.99	13.49	11.99	10.49	8.99
HG2407RD-RSP	B	7 dBi, Integral Tilt/Swivel RP-SMA Plug Connector	12.99	11.69	10.39	9.09	7.79
HG2407RD-RTP	B	7 dBi, Integral Tilt/Swivel RP-TNC Plug Connector	12.99	11.69	10.39	9.09	7.79
HG2407RD-SM	B	7 dBi, Integral Tilt/Swivel SMA Male Connector	14.99	13.49	11.99	10.49	8.99
HG2409RD-NM	B	9 dBi, Integral Tilt/Swivel N Male Connector	22.99	20.69	18.39	16.09	13.79
HG2409RD-RSP	B	9 dBi, Integral Tilt/Swivel RP-SMA Plug Connector	18.99	17.09	15.19	13.29	11.39
HG2409RD-RTP	B	9 dBi, Integral Tilt/Swivel RP-TNC Plug Connector	18.99	17.09	15.19	13.29	11.39
HG2409RD-SM	B	9 dBi, Integral Tilt/Swivel SMA Male Connector	18.99	17.09	15.19	13.29	11.39

3.5 GHz Rubber Duck Antenna

HG3505RD-RSP	B	5 dBi, Integral Tilt/Swivel RP-SMA Plug Connector	14.99	13.49	11.99	10.49	8.99

2.4/5.8 GHz Multi-Band Rubber Duck Antennas

HG2458-5RD-RSP	J	3/5 dBi, Integral Tilt/Swivel RP-SMA Plug Connector	16.99	15.29	13.59	11.89	10.19
HG2458RD-RSP	B	3 dBi, Integral Tilt/Swivel RP-SMA Plug Connector	12.99	11.69	10.39	9.09	7.79
HG2458RD-SM	B	3 dBi, Integral Tilt/Swivel SMA Male Connector	12.99	11.69	10.39	9.09	7.79
HG2458RD-TM	B	3 dBi, Integral Tilt/Swivel TNC Male Connector	12.99	11.69	10.39	9.09	7.79

1.9 GHz, 2.4 GHz Rubber Duck Desktop Mobile Antennas

L-com's Omnidirectional rubber duck wireless LAN antennas provide broad coverage and 3-9 dBi gain. These magnetic mount antennas feature a coaxial sleeve design with an Omnidirectional pattern. These antennas were designed for IEEE 802.11b/g/n wireless LANs and 1.9 GHz cellular PCS radio applications. Mobile applications for these antennas include service vehicles, public transportation, mining vehicles, as well as numerous other commercial and industrial applications where mobility is required. The magnetic base is suitable for affixing to vehicles or other metal surfaces as well as sitting on a tabletop or shelf.

1.9 GHz Rubber Duck Antennas with Magnetic Mount

HG1903MGRD-SM	D	3 dBi, 5ft (1.5m) Cable with SMA Male Connector	19.99	19.39	18.79	18.19	CALL
HG1903MGRD-SNP	D	3 dBi, 5ft (1.5m) Cable with SMA Nano Connector	19.99	19.39	18.79	18.19	CALL

2.4 GHz Rubber Duck Antennas with Magnetic Mount

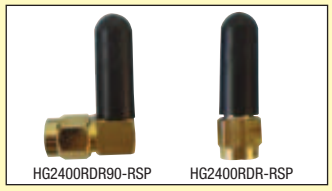
HG2407MGRD-RSP	E	7 dBi, 5ft (1.5m) Cable with RP-SMA Plug Connector	19.99	19.19	18.39	17.59	16.79
HG2407MGRD-RTP	E	7 dBi, 5ft (1.5m) Cable with RP-TNC Plug Connector	19.99	19.19	18.39	17.59	16.79
HG2409MGRD-RSP	E	9 dBi, 5ft (1.5m) Cable with RP-SMA Plug Connector	25.99	24.43	22.87	21.31	19.75
HG2409MGRD-RTP	E	9 dBi, 5ft (1.5m) Cable with RP-TNC Plug Connector	25.99	24.43	22.87	21.31	19.75

2.4/5.8 GHz Multi-Band Rubber Duck Antennas with Magnetic Mount

HG2458MGRD-RSP	F	3/5 dBi, 5ft (1.5m) Cable with RP-SMA Plug Connector	24.99	23.99	22.99	21.24	18.74
HG2458MGRD-RTP	F	3/5 dBi, 5ft (1.5m) Cable with RP-TNC Plug Connector	24.99	23.99	22.99	21.24	18.74
HG2458-7RDR-NM	I	7 dBi, Rigid Rubber Duck with N Male Connector	21.99	19.79	17.59	15.39	13.19

Tip ***Rubber Duck Antennas***

Rubber Duck antennas usually come with an articulated "Swivel" joint, permitting the antenna base to pivot 90°. The antenna can also be ordered with a "Rigid" connector base, when the swivel is not required or needed. These antennas are numbered with an "RDR" suffix after the basic part number. The base can also have a "Rigid 90°" connector base which carries the "RDR90" suffix. If your application requires these options, please inquire about special orders at reasonable pricing.



L-com Global Connectivity

Customer Testimonials
Read why others choose L-com.
L-com.com/Testimonials

Item #	Style	Description	1-4	5-9	10-24	25+

900 MHz, 2.4 GHz, 5.4 GHz and 5.8 GHz Sectorial Omnidirectional Array Antennas

L-com's sector antennas are designed for Cell Site installations and include a variety of gain, frequency and radiation patterns. These WiFi antennas feature our unique heavy-duty mounting systems that allow installation from level to over 20 degrees down-tilt. In addition, 90, 120 and 180 degree arrays are available supporting a wide range of applications. These antennas feature stainless steel construction for all-weather operation.

900 MHz Sectorial Array Antennas

HK913-120	A	13 dBi, Multi-Feed, Includes (3) 120° Antenna with Mounting Array	799.99	767.99	735.99	703.99
HK913-120NF	A	13 dBi, Single-Feed, Includes (3) 120° Antenna with Mounting Array, Splitter, 3 Cables	924.99	887.99	850.99	813.99
HK911HSP-120	A	11 dBi Single-Feed, Includes (3) 120° Antenna with Mounting Array, Splitter, 3 Cables	589.99	566.39	542.79	519.19
HK911HSP-120NF	A	11 dBi Single-Feed, Includes (3) 120° Antenna with Mounting Array, Splitter, 3 Cables	714.99	686.39	657.79	629.19

2.4 GHz Sectorial Array Antennas

HK2414-090	C	14 dBi, Multi-Feed, Includes (4) 90° Antenna w/Mounting Array	649.99	584.99	519.99	454.99
HK2414-090NF	C	14 dBi, Single-Feed, Includes (4) 90° Antenna w/Mounting Array, Splitter, 4 Cables	799.99	719.99	639.99	559.99
HK2414-120	A	14 dBi, Multi-Feed, Includes (3) 120° Antenna w/Mounting Array	499.99	449.99	399.99	349.99
HK2414-120NF	A	14 dBi, Single-Feed, Includes (3) 120° Antenna w/Mounting Array, Splitter, 3 Cables	624.99	562.49	499.99	437.49
HK2414H-090	C	14 dBi, Multi-Feed, Includes (4) 90° H-Pol Antenna w/Mounting Array	649.99	584.99	519.99	454.99
HK2414H-090NF	C	14 dBi, Single-Feed, Includes (4) 90° H-Pol Antenna w/Mounting Array, Splitter, 4 Cables	799.99	719.99	639.99	559.99
HK2415-180	B	15 dBi, Multi-Feed, Includes (2) 180° Antenna w/Mounting Array	999.99	899.99	799.99	699.99
HK2415-180NF	B	15 dBi, Single-Feed, Includes (2) 180° Antenna w/Mounting Array, Splitter, 2 Cables	1099.99	989.99	879.99	769.99
HK2417-090	C	17 dBi, Multi-Feed, Includes (4) 90° Antenna w/Mounting Array	739.99	665.99	591.99	517.99
HK2417-090NF	C	17 dBi, Single-Feed, Includes (4) 90° Antenna w/Mounting Array, Splitter, 4 Cables	899.99	809.99	719.99	629.99
HK2417-120	A	17 dBi, Multi-Feed, Includes (3) 120° Antenna w/Mounting Array	569.99	512.99	455.99	398.99
HK2417-120NF	A	17 dBi, Single-Feed, Includes (3) 120° Antenna w/Mounting Array, Splitter, 3 Cables	699.99	629.99	559.99	489.99
HK2420-090	C	20 dBi, Multi-Feed, Includes (4) 90° Antenna w/Mounting Array	1649.99	1484.99	1319.99	1154.99
HK2420-090NF	C	20 dBi, Single-Feed, Includes (4) 90° Antenna w/Mounting Array, Splitter, 4 Cables	1799.99	1619.99	1439.99	1259.99
HK2420-120	A	20 dBi, Multi-Feed, Includes (3) 120° Antenna w/Mounting Array	1249.99	1124.99	999.99	874.99
HK2420-120NF	A	20 dBi, Single-Feed, Includes (3) 120° Antenna w/Mounting Array, Splitter, 3 Cables	1379.99	1241.99	1103.99	965.99

3.5 GHz Sectorial Array Antennas

The HyperGain® Sectorized Vertically Polarized Omni Array features our high performance, individual fed 3.5 GHz 120° sectorial antennas. Each of the three antennas in this array can be adjusted individually (0-16° up or down tilt) to compensate for the geography of the installation location. This helps ensure maximum coverage of the array for service providers in the 3.5 GHz band.

HK3515-120	A	15 dBi, Multi-Feed, Includes (3) 120° Antenna w/Mounting Array	669.99	602.99	535.99	468.99
HK3515-120-NF	A	15 dBi, Multi-Feed, Includes (3) 120° Antenna w/Mounting Array	874.99	804.99	734.99	664.99

5.4 GHz Sectorial Array Antennas

HK5417-090	C	17 dBi, Multi-Feed, Includes (4) 90° Antenna with Mounting Array	649.99	584.99	519.99	454.99
HK5417-090NF	C	17 dBi, Single-Feed, Includes (4) 90° Antenna with Mounting Array, Splitter, 4 Cables	899.99	809.99	719.99	629.99

5.8 GHz Sectorial Array Antennas

HK5817-090	C	17 dBi, Multi-Feed, Includes (4) 90° Antenna with Mounting Array	649.99	584.99	519.99	454.99
HK5817-090NF	C	17 dBi, Single-Feed, Includes (4) 90° Antenna with Mounting Array, Splitter, 4 Cables	899.99	809.99	719.99	629.99
HK5817H-090	C	17 dBi, Multi-Feed, Includes (4) 90° H-Pol Antenna with Mounting Array	649.99	584.99	519.99	454.99
HK5817H-090NF	C	17 dBi, Single-Feed, Includes (4) 90° H-Pol Antenna with Mounting Array, Splitter, 4 Cables	899.99	809.99	719.99	629.99
HK5817H-120	A	17 dBi, Multi-Feed, Includes (3) 120° H-Pol Antenna with Mounting Array	539.99	485.99	431.99	377.99

Item #	Style	Description	1-9	10-24	25-99	100-249	250-499

900 MHz, 2.4 GHz, 3.5 GHz, 5.4 GHz, 5.8 GHz and Multi-Band 2.4/5.8 GHz Sectorial Panel Antennas

L-com's sectorial panel antennas are available in multiple frequencies, gain and 90-180 degrees. They can be used stand alone or in circular groups to maximize coverage and feature heavy-duty plastic radome for all-weather operation, with mounting systems that adjust to pinpoint direction.

900 MHz Sectorial Panel Antennas

HG913P-120	D	13 dBi, 120°, Integral N Female Connector	249.99	237.49	224.99	212.49	199.99
HG911HSP-120	D	11 dBi, 120°, Horizontal Polarized, Integral N Female Connector	179.99	165.59	151.19	136.79	122.39
HG913DPSP-120	D	13 dBi, Dual Polarized, 2 Integral 7-16 DIN Connectors (NF Adapter Available)	379.00	348.68	318.36	288.04	CALL
HG913HSP-120	D	13 dBi, 120°, Horizontal Polarized, Integral N Female Connector	209.99	197.39	184.79	172.19	159.59

2.4 GHz Sectorial Panel Antennas

HG2412P-180	D	12 dBi, 180°, Sector Panel Antenna, Integral N Female Connector	150.00	135.00	120.00	105.00	90.00
HG2414SP-090	D	14 dBi, 90°, Integral N Female Connector ANATEL Certified	149.99	137.99	125.99	113.99	101.99
HG2414SP-120	D	14 dBi, 120°, Integral N Female Connector	149.99	137.99	125.99	113.99	101.99
HG2414HSP-090-AN	D	14 dBi, 90°, Horizontal Polarized, N Female Connector ANATEL Certified	149.99	137.99	125.99	113.99	101.99
HG2414DP-090	D	14 dBi, 90°, Dual Polarized, 2 Integral N Female Connectors	179.99	169.19	158.39	147.59	136.79
HG2415P-180	E	15 dBi, 180°, Integral N Female Connector	285.00	256.50	228.00	199.50	171.00
HG2417P-090	D	17 dBi, 90°, Integral N Female Connector ANATEL Certified	172.99	166.07	159.15	147.04	129.74
HG2417P-120	D	17 dBi, 120°, Integral N Female Connector	172.99	166.07	159.15	147.04	129.74
HG2420P-090	D	20 dBi, 90°, Integral N Female Connector	399.95	359.95	319.96	279.96	239.97
HG2420P-120	D	20 dBi, 120°, Integral N Female Connector	399.95	359.95	319.96	279.96	239.97

3.5 GHz Sectorial Panel Antenna

HG3515P-120	D	15 dBi, 120°, Integral N Female Connector	199.99	183.99	167.99	151.99	135.99
HG3517DP-090	D	16 dBi, 90°, Dual Polarized, 2 Integral N Female Connectors	275.00	247.50	220.00	192.50	165.00

5.4 GHz Sectorial Panel Antenna

HG5417P-090	D	17 dBi, 90°, Integral N Female Connector	149.99	143.99	137.99	127.49	112.49

5.8 GHz Sectorial Panel Antennas

HG5817P-090	D	17 dBi, 90°, Integral N Female Connector	153.00	140.76	128.52	116.28	104.04
HG5817HSP-090	D	17 dBi, 90°, Horizontal Polarized, Integral N Female Connector	149.99	134.99	119.99	104.99	89.99
HG5817HSP-120	D	17 dBi, 120°, Horizontal Polarized, Integral N Female Connector	164.99	151.79	138.59	164.99	112.19

2.4/5.8 GHz Sectorial Panel Antenna

HG2458-14P-090	D	14 dBi, 90°, 2 Integral N Female Connectors	189.99	174.79	159.59	144.39	129.19

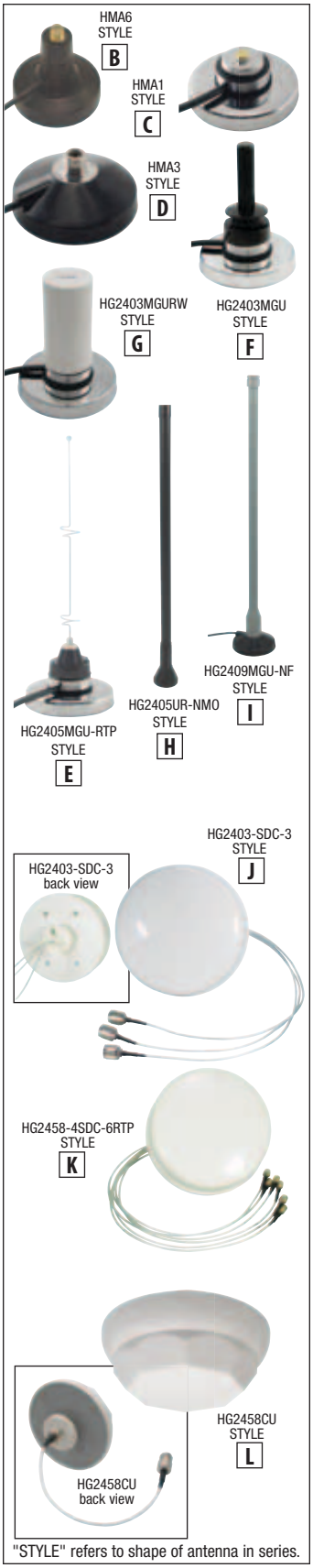
5.1/5.8 GHz Dual Band Sector Panel Antenna

HG5158-16DB-090	D	16 dBi, 90°, Dual Band, 2 Integral N Female Connectors	164.99	151.79	138.59	125.39	112.19



"STYLE" refers to shape of antenna in series.

See a complete list of frequently asked questions at L-com.com/FAQS



"STYLE" refers to shape of antenna in series.

Item #	Style	Description	1-9	10-24	25-99	100-249	250-499

2.4 GHz Mobile Mount Antennas - Built for Demanding Mobile Applications

Our extensive line of magnetic mount and mast mount mobile Omnidirectional antennas are perfect for demanding mobile applications including law enforcement, construction vehicles, and mobile metering. Several styles are offered with many frequency and gain choices supporting IEEE 802.11b/g/n.

- All weather construction
- IEEE 802.11b/g/n
- Bluetooth® and WiFi
- Magnetic and mast mount options
- RoHS compliant

Magnetic Mobile Mounts

HMA6-RSP05	B	RP-SMA Jack to RP-SMA Plug, 5ft (1.5m) 100-Series	14.99	13.49	11.99	10.49	CALL
HMA6-RSP10	B	RP-SMA Jack to RP-SMA Plug, 10ft (3.0m) 100-Series	27.99	25.19	22.39	19.59	CALL
HMA6-RTP05	B	RP-SMA Jack to RP-TNC Plug, 5ft (1.5m) 100-Series	19.99	18.79	17.59	16.39	15.19
HMA6-RTP10	B	RP-SMA Jack to RP-TNC Plug, 10ft (3.0m) 100-Series	24.99	23.49	21.99	20.49	18.99
HMA1-NFA10	C	NMO to N Female, 10ft (3.0m) 195-Series	19.95	17.95	15.96	13.96	CALL
HMA1-NMA10	C	NMO to N Male, 10ft (3.0m) 195-Series	19.95	17.95	15.96	13.96	CALL
HMA1-RSPA10	C	NMO to RP-SMA Plug, 10ft (3.0m) 195-Series	19.95	17.95	15.96	13.96	CALL
HMA1-RTPA10	C	NMO to RP-TNC Plug, 10ft (3.0m) 195-Series	21.95	20.19	18.44	16.68	14.93
HMA3-NFA10	D	N Female to N Female, 10ft (3.0m) 195-Series	24.99	22.49	19.99	17.49	14.99
HMA3-NMA10	D	N Female to N Male, 10ft (3.0m) 195-Series	24.99	22.49	19.99	17.49	14.99
HMA3-RSPA10	D	N Female to RP-SMA Plug, 10ft (3.0m) 195-Series	24.99	22.49	19.99	17.49	14.99
HMA3-RTPA10	D	N Female to RP-TNC Plug, 10ft (3.0m) 195-Series	24.99	22.49	19.99	17.49	14.99

2.4 GHz Antennas with Magnetic Mobile Mounts

HG2403MGU-NM	F	3 dBi, Dual Band, 10ft (3.0m) Cable with N Male Connector	34.99	31.49	27.99	24.49	20.99
HG2403MGU-RSP	F	3 dBi, Dual Band, 10ft (3.0m) Cable with RP-SMA Plug Connector	39.99	35.99	31.99	27.99	23.99
HG2403MGU-RTP	F	3 dBi, Dual Band, 10ft (3.0m) Cable with RP-TNC Plug Connector	39.99	35.99	31.99	27.99	23.99
HG2403MGURW-NM	G	3 dBi, White Radome, 10ft (3.0m) Cable with N Male Connector	34.99	31.49	27.99	24.49	20.99
HG2403MGURW-RSP	G	3 dBi, White Radome, 10ft (3.0m) Cable with RP-SMA Plug Connector	39.99	35.99	31.99	27.99	23.99
HG2403MGURW-RTP	G	3 dBi, White Radome, 10ft (3.0m) Cable with RP-TNC Plug Connector	39.99	35.99	31.99	27.99	23.99
HG2403MGURB-NM	G	3 dBi, Black Radome, 10ft (3.0m) Cable with N Male Connector	34.99	31.49	27.99	24.49	20.99
HG2403MGURB-RSP	G	3 dBi, Black Radome, 10ft (3.0m) Cable with RP-SMA Plug Connector	39.99	35.99	31.99	27.99	23.99
HG2403MGURB-RTP	G	3 dBi, Black Radome, 10ft (3.0m) Cable with RP-TNC Plug Connector	39.99	35.99	31.99	27.99	23.99
HG2405MGU-NM	E	5 dBi, 10ft (3.0m) Cable with N Male Connector	39.99	38.39	36.79	33.99	29.99
HG2405MGU-RSP	E	5 dBi, 10ft (3.0m) Cable with RP-SMA Plug Connector	49.99	47.99	45.99	42.49	37.49
HG2405MGU-RTP	E	5 dBi, 10ft (3.0m) Cable with RP-TNC Plug Connector	49.99	47.99	45.99	42.49	37.49
HG2409MGU-NF	I	8.5 dBi, 10ft (3.0m) Cable with N Female Connector	70.00	65.80	61.60	57.40	53.20
HG2409MGU-NM	I	8.5 dBi, 10ft (3.0m) Cable with N Male Connector	70.00	65.80	61.60	57.40	53.20
HG2409MGU-RSP	I	8.5 dBi, 10ft (3.0m) Cable with RP-SMA Plug Connector	70.00	65.80	61.60	57.40	53.20

2.4 GHz Mobile Mount Antennas

HG2403U-NMO	F	3 dBi, Dual Band, Integral NMO Connector	29.99	26.99	23.99	20.99	17.99
HG2403UR-NMOW	G	3 dBi, White Radome, Integral NMO Connector	29.99	26.99	23.99	20.99	17.99
HG2403UR-NMOB	G	3 dBi, Black Radome, Integral NMO Connector	29.99	26.99	23.99	20.99	17.99
HG2405U-NMO	E	5 dBi, Integral NMO Connector	19.99	17.99	15.99	13.99	11.99
HG2405UR-NMO	H	5 dBi, Black Radome, Flex-Base, Integral NMO Connector	84.99	76.49	67.99	59.49	50.99
HG2408UR-NM	H	8 dBi, Black Radome, Flex-Base, Integral N Male Connector	84.99	81.59	78.19	74.79	71.39
HG2409U	I	8.5 dBi, Integral N Male Connector	50.00	47.00	44.00	41.00	38.00

2.4 GHz/2.4-5.8 GHz Ceiling Antennas-Indoor Single Band/Dual Band/MIMO Antennas

L-com offers a number of Ceiling Antennas in 2.4 GHz and 2.4/5.8 GHz frequencies for many indoor applications. The coverage is 360° and operating with single feed (1 X 1) as well as the new MIMO Multiple feeds (3 X 3 and 6 X 6). MIMO antennas provide the user with a single antenna to couple with the many multiple feed wireless radios operating in 802.11a/b/g/n. The MIMO antennas provide spatial and frequency diversity to improve connectivity and data throughput for the user.

2.4 GHz MIMO Spatial Diversity Ceiling Antennas

HG2403-SDC-3NF	J	3 dBi, Spatial Diversity Ceiling Antenna, 3 N Female Connectors	49.99	47.99	45.99	42.49	37.49
HG2403-SDC-3NM	J	3 dBi, Spatial Diversity Ceiling Antenna, 3 N Male Connectors	49.99	47.99	45.99	42.49	37.49
HG2403-SDC-3RSP	J	3 dBi, Spatial Diversity Ceiling Antenna, 3 RP-SMA Plug Connectors	49.99	47.99	45.99	42.49	37.49
HG2403-SDC-3RTP	J	3 dBi, Spatial Diversity Ceiling Antenna, 3 RP-TNC Plug Connectors	49.99	47.99	45.99	42.49	37.49

2.4 GHz Omni Ceiling Antennas

HG2404CU-NF	L	4 dBi, Ceiling Mounted Antenna, N Female Connector	22.00	20.68	19.36	18.04	16.72
HG2404CU-RTP	L	4 dBi, Ceiling Mounted Antenna, RP-TNC Plug Connector	22.00	20.68	19.36	18.04	16.72

2.4/5.8 GHz Dual Band MIMO Spatial Diversity Ceiling Antennas

HG2458-3SDC-3NF	J	3 dBi, Dual Band Spatial Diversity, 3 N Female Connectors	50.00	46.00	42.00	38.00	34.00
HG2458-4SDC-6NF	K	4 dBi, Dual Band Spatial Diversity, 6 N Female Connectors	75.00	72.00	69.00	63.75	56.25
HG2458-4SDC-6NM	K	4 dBi, Dual Band Spatial Diversity, 6 N Male Connectors	75.00	72.00	69.00	63.75	56.25
HG2458-4SDC-6RSP	K	4 dBi, Dual Band Spatial Diversity, 6 RP-SMA Plug Connectors	75.00	72.00	69.00	63.75	56.25
HG2458-4SDC-6RTP	K	4 dBi, Dual Band Spatial Diversity, 6 RP-TNC Plug Connectors	75.00	72.00	69.00	63.75	56.25

2.4/5.8 GHz Dual Band Ceiling Antennas

HG2458CU-NF	L	3 dBi, Dual Band Ceiling Antenna, N Female Connector	39.99	35.99	31.99	27.99	CALL
HG2458CU-RTP	L	3 dBi, Dual Band Ceiling Antenna, RP-TNC Plug Connector	39.99	35.99	31.99	27.99	CALL

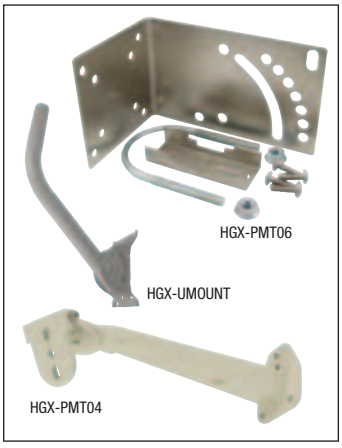
L-com Global Connectivity

We want to help you!
See a complete list of free tips, tutorials and videos at L-com.com/Resources

Mounting Brackets for Antennas, Amplifiers and Surge Protectors

L-com offers an extensive line of mounting bracket options for its antennas, amplifiers, and surge protectors. Options include wall mount, window mount, mast mount and more. Visit us online at L-com.com for complete bracket dimensions and specifications.

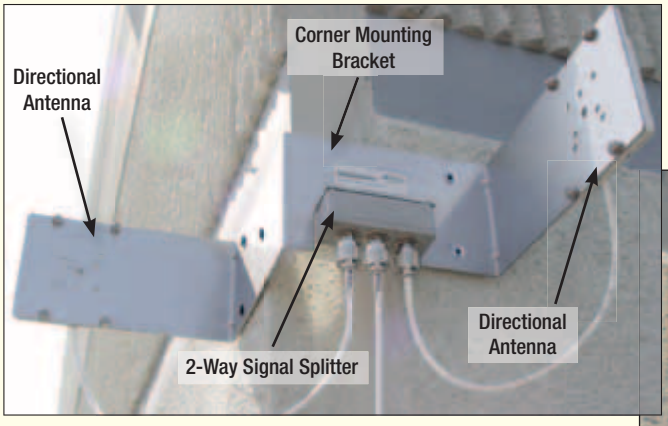
Item #	Description	1-9	10-24	25-99	100-249	250-499
HGX-LPMOUNT01	ALQ2-NMNFB Surge Protector Mounting Bracket	4.99	4.49	3.99	3.49	2.99
HGX-PMT02	Indoor Antenna Mounting Kit, Small Metal Tilt & Swivel	9.99	8.99	7.99	6.99	5.99
HGX-PMT03	Indoor Antenna Mounting Kit, Medium Plastic Tilt & Swivel	11.99	10.79	9.59	8.39	7.19
HGX-PMT04	Large Metal Tilt & Swivel Mounting Bracket for Wall or Mast Mounting	19.99	17.99	15.99	13.99	11.99
HGX-PMT06	60° Tilt & Swivel Mounting Kit for Mounting to 1.25" (3.2cm) to 2" (5.1cm) Dia. Masts	9.49	8.54	7.59	6.64	5.69
HGX-PMT07	Stationary Mounting Kit for Mounting to 1.25" (3.2cm) to 2" (5.1cm) Dia. Masts	5.99	5.39	4.79	4.19	3.59
HGX-PMT08	Suction Cup Window Mounting Kit for Select HyperLink Antennas	9.99	8.99	7.99	6.99	CALL
HGX-PMT11	Heavy Duty Stationary Mast Mounting Kit for Mtg. to 1.25" (3.2cm) to 2" (5.1cm) Dia.	10.99	9.89	8.79	7.69	6.59
HGX-PMT14	Mast Mount Kit for Outdoor Filters/Splitters 1.25" (3.2cm) to 2" (5.1cm) Dia. Masts	12.99	11.69	10.39	9.09	CALL
HGX-PMT15	Indoor Antenna Mounting Kit- Compact Metal Tilt & Swivel	9.99	8.99	7.99	6.99	5.99
HGX-UMOUNT	Powder Coated Galvanized Steel "DSS-style" Arm-Outdoor Wall Mtg. 21" (53.3cm)	14.99	14.39	13.79	12.74	11.24
HGX-UMOUNT-10PK	Powder Coated Galvanized Steel "DSS-style" Arm-Outdoor Wall Mtg. 10 Pack	119.99	115.19	110.39	101.99	89.99
HGX-UMOUNT01	Powder Coated Galvanized Steel "DSS-style" Arm-Outdoor Wall Mtg. 26.7" (67.9cm)	15.99	15.35	14.71	13.59	11.99
HGX-UMOUNT01-10PK	Powder Coated Galvanized Steel "DSS-style" Arm-Outdoor Wall Mtg. 10 Pack	129.99	124.79	119.59	110.49	97.49
HGX-UMOUNT02	Ceiling/Wall Mount for 4.5" (11.4cm) Sq. and 8.5" (21.6cm) Sq. Patch Antennas	14.99	13.49	11.99	10.49	8.99
HGX-UMOUNT04	Universal Corner Mounting Bracket	24.99	22.49	19.99	17.49	CALL



Outdoor Antenna Installation

Outdoor RF wireless networks experience the same factors such as reflections and multi-path as indoor networks. For outdoor wireless installations, a clear line of sight is optimal. Trees and leaves are obstructions to 802.11 frequencies so they will partially or entirely block the signal if not cleared.

Before deploying any wireless network, a site survey is recommended. The site survey typically entails installing an access point at each location where user groups are located and then monitoring the wireless signal strength by walking varying distances away from the access points using a laptop with site survey software. The result will show you where you may need more access points to provide sufficient coverage or where you may need to move an access point for optimal wireless connectivity. The antenna mounting varies by type of antenna and the structures available for mounting. For instance, an OMNI antenna usually looks for a clear 360° view of the area to be covered, while a DIRECTIONAL antenna needs a clear path reasonably equal to its beam width. Mounting hardware options to make these installations go smoothly are available when planning the site installations, such as the corner mounting bracket pictured above. L-com offers many options to the installer, please inquire.



HGX-UMOUNT04
Universal Mounting Bracket
shown left

HG-2414P
Flat Panel Antenna
shown below



RET/AISG 8-Pin FS1 Type Male or Female Connectors

Remote Electrical Tilt (RET) antenna systems are designed so that wireless providers can make adjustments remotely to their antenna systems. The Antenna Interface Standards Group (AISG) has created specifications for the control interface for these types of systems. L-com now offers these FS1 type connectors for AISG applications as well as industrial control applications.

AISGM-2000	RET/AISG 8-Pin FS1 Type Connector, Male	12.95	12.43	11.91	11.40	10.88
AISGF-2000	RET/AISG 8-Pin FS1 Type Connector, Female	12.95	12.43	11.91	11.40	10.88


AISGM-2000

RET/AISG 6-Conductor Control Cable Assemblies

L-com's 6-Conductor Remote Electrical Tilt (RET) / AISG compatible control cable assemblies are terminated with Male and Female FS1 type DIN connectors. The connectors on these cable assemblies are interchangeable with Amphenol C 901 A/B/C and Binder 423 series connectors.

CA-AISG6MFM01	RET/AISG 6-Conductor Control Cable, Male/Female, 1.0m	56.20	54.51	52.83	51.14	49.46
CA-AISG6MFM02	RET/AISG 6-Conductor Control Cable, Male/Female, 2.0m	59.90	58.10	56.31	54.51	52.71
CA-AISG6MFM03	RET/AISG 6-Conductor Control Cable, Male/Female, 3.0m	63.60	61.69	59.78	57.88	55.97
CA-AISG6MFM04	RET/AISG 6-Conductor Control Cable, Male/Female, 4.0m	68.50	66.44	64.39	62.34	60.28
CA-AISG6MFM05	RET/AISG 6-Conductor Control Cable, Male/Female, 5.0m	72.10	69.94	67.77	65.61	63.45
CA-AISG6MFM06	RET/AISG 6-Conductor Control Cable, Male/Female, 6.0m	75.80	73.53	71.25	68.98	66.70
CA-AISG6MFM09	RET/AISG 6-Conductor Control Cable, Male/Female, 9.0m	88.20	85.55	82.91	80.26	77.62
CA-AISG6MFM10	RET/AISG 6-Conductor Control Cable, Male/Female, 10.0m	93.00	90.21	87.42	84.63	81.84
CA-AISG6MFM15	RET/AISG 6-Conductor Control Cable, Male/Female, 15.0m	111.40	108.06	104.72	101.37	98.03
CA-AISG6MFM20	RET/AISG 6-Conductor Control Cable, Male/Female, 20.0m	129.80	125.91	122.01	118.12	114.22
CA-AISG6MFM30	RET/AISG 6-Conductor Control Cable, Male/Female, 30.0m	167.90	162.86	157.83	152.79	147.75
CA-AISG6MFM40	RET/AISG 6-Conductor Control Cable, Male/Female, 40.0m	204.70	198.56	192.42	186.28	180.14
CA-AISG6MFM50	RET/AISG 6-Conductor Control Cable, Male/Female, 50.0m	242.70	235.42	228.14	220.86	213.58
CA-AISG6MFM60	RET/AISG 6-Conductor Control Cable, Male/Female, 60.0m	279.50	271.12	262.73	254.34	245.96

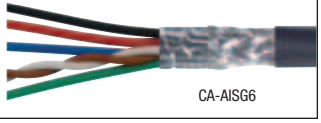

CA-AISG6MFM

Item #	Description	List Price

6-Conductor RET/AISG Control Cable by the Meter

L-com now offers 6-Conductor Remote Electrical Tilt (RET) control cable, by the Meter.

CA-AISG6-METER	6-Conductor Control Cable, per Meter	3.95


CA-AISG6

Custom design and manufacturing capabilities
Our product design process takes you from concept to production. L-com.com/Custom

L-com® Global Connectivity



WLAN Amplifier Tutorial

What are Amplifiers?

Wireless LAN Amplifiers are a type of electronic amplifier used to convert a low-power radio-frequency signal into a larger signal of significant power, typically used for driving the antenna of a transmitter.

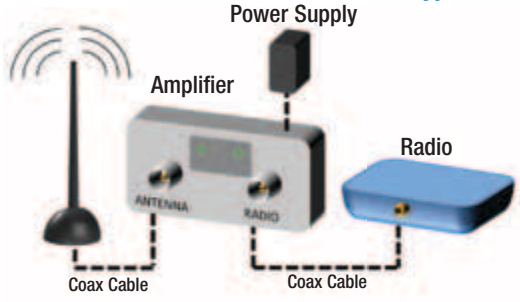
How are Amplifiers used?

Wireless LAN Amplifiers are typically connected via low loss coaxial cable to a radio on one end and then to either a splitter or filter and then to an antenna. Sometimes they're connected directly to an antenna when a filter or splitter is not required.

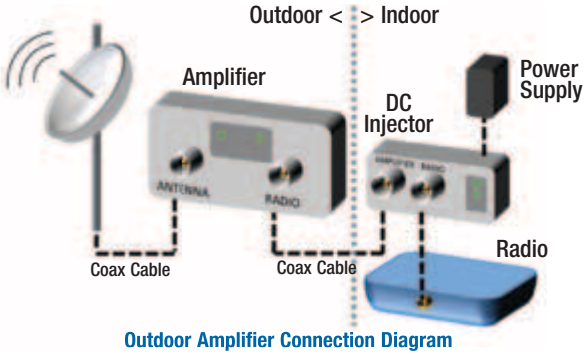
Where are Amplifiers used?

Wireless LAN Amplifiers are used in wireless communications networks for public, private, military and government applications. Amplifiers can be used indoors and outdoors exposed to the elements or used in an equipment enclosure.

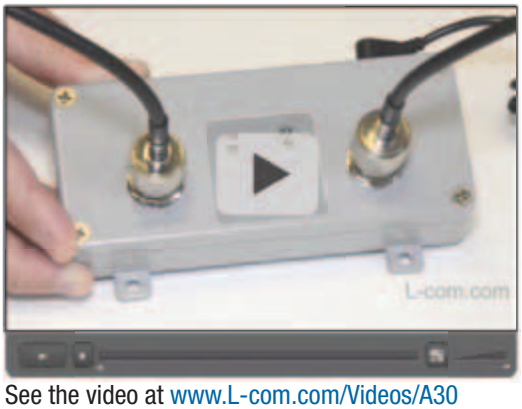
Typical Amplifier Connections



Indoor Amplifier Connection Diagram



Outdoor Amplifier Connection Diagram



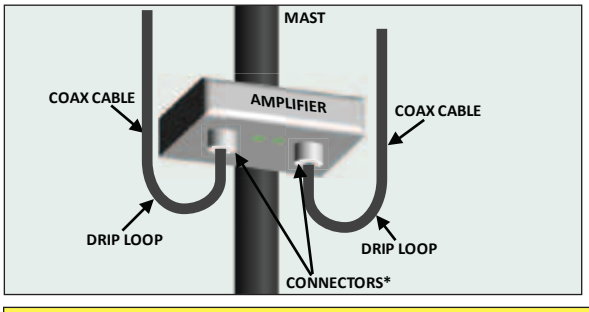
See the video at www.L-com.com/Videos/A30



See the video at www.L-com.com/Videos/A31

Automatic Power Control (APC)

The key requirements of bi-directional amplifiers for use with the new high data rate 802.11a/g/n radios is Automatic Power Control (APC), fast switching speed and good linearity. A 802.11a/g/n radio is very sensitive to signal distortion. Older amplifiers designed for use with 802.11b radios will not function properly with the newer radios. In 2002, we were the first company to offer an 802.11g bi-directional amplifier with APC. The use of a competitor's fixed gain amplifier with the new rate 802.11a/g/n radio is guaranteed to degrade radio or range performance. L-com's APC will hold transmit power constant regardless of data rate. **Note:** Automatic Power Control (APC) is also knows as Automatic Gain Control (AGC).



Outdoor WiFi Amplifier installation best practices

To protect your amplifier and attached equipment we recommend the use of coaxial surge and lightning protectors (pages 33-35). Also make sure to leave drip loops on your cables and use moldable weatherproof tape on all connectors that reside outdoors.

For added protection, moldable or self-healing weatherproof tape is recommended to be put on connectors after cable is attached.

Note: Do not install with connectors facing up. This may lead to amplifier damage and void warranty.

Amplifier products are available for export, military, licensed amateur radio (ham radio) and OEM component sales only and as part of complete FCC Certified Systems. Individual amplifier products are not offered for sale in the USA. Please note that additional documentation may be required to purchase a HyperLink® brand amplifier. In those cases an L-com sales associate will contact you to complete your order.

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For more useful information go to....
L-com.com/Resources

HyperAmp® WLAN and WiFi Amplifiers/Boosters – Upgrade Your Operating Range and Performance

HyperLink® is the leader in bi-directional amplifiers/boosters for WiFi and wireless LAN applications. Consisting of a low-noise receive amplifier and a transmit power amplifier, they offer significant improvement in operating range and performance. A key feature of HyperLink® amplifiers is the Active Power Control circuit (also known as Automatic Gain Control - AGC). This automatically adjusts the amplifier's gain to provide a constant output power regardless of cable length.

HyperLink® 2.4 GHz Indoor Amplifiers with Power Supply

Item #	Style	Description	1-4	5-9	10-24	25-99	100-249
HA2401MG-100	A	100 mW, Compact Series, 802.11b/g/n, Type N Female Connectors	104.99	99.74	94.49	89.24	83.99
HA2401MG-250	A	250 mW, Compact Series, 802.11b/g/n, Type N Female Connectors	114.99	109.24	103.49	97.74	91.99
HA2401MG-500	A	500 mW, Compact Series, 802.11b/g/n, Type N Female Connectors	124.99	118.74	112.49	106.24	99.99
HA2401MG-1000	A	1 Watt, Compact Series, 802.11b, Type N Female Connectors	124.99	118.74	112.49	106.24	99.99
HA2401RTMG-100*	A	100 mW, Compact Series, 802.11b/g/n, RP-TNC Jack Connectors	104.99	99.74	94.49	89.24	83.99
HA2401RTMG-250*	A	250 mW, Compact Series, 802.11b/g/n, RP-TNC Jack Connectors	114.99	109.24	103.49	97.74	91.99
HA2401RTMG-500*	A	500 mW, Compact Series, 802.11b/g/n, RP-TNC Jack Connectors	124.99	118.74	112.49	106.24	99.99
HA2401RTMG-1000*	A	1 Watt, Compact Series, 802.11b, RP-TNC Jack Connectors	124.99	118.74	112.49	106.24	99.99
HA2401GI-100	E	100 mW, 802.11b/g/n, Type N Female Connectors	129.99	123.49	116.99	110.49	103.99
HA2401GI-250	E	250 mW 802.11b/g/n, Type N Female Connectors	139.99	132.99	125.99	118.99	111.99
HA2401GI-500	E	500 mW 802.11b/g/n, Type N Female Connectors	149.99	142.49	134.99	127.49	119.99
HA2401GI-1000	E	1 Watt, 802.11b, Type N Female Connectors	149.99	142.49	134.99	127.49	119.99
HA2401GXI-1000	B	1 Watt, 802.11b/g/n, Type N Female Connectors	179.99	170.99	161.99	152.99	143.99
HA2401RTGI-100*	E	100 mW, 802.11b/g/n, RP-TNC Jack Connectors	129.90	123.41	116.91	110.42	103.92
HA2401RTGI-250*	E	250 mW, 802.11b/g/n, RP-TNC Jack Connectors	139.99	132.99	125.99	118.99	111.99
HA2401RTGI-500*	E	500 mW, 802.11b/g/n, RP-TNC Jack Connectors	149.99	142.49	134.99	127.49	119.99
HA2401RTGI-1000	E	1 Watt, 802.11b, RP-TNC Jack Connectors	149.99	142.49	134.99	127.49	119.99
HA2401RTGXI1000*	B	1 Watt, 802.11b/g/n, RP-TNC Jack Connectors	179.99	170.99	161.99	152.99	143.99
HA2402GXI-NF	B	2 Watt, 802.11b/g/n, Type N Female Connectors	229.99	218.49	206.99	195.49	183.99
HA2401DX-XL3000	B	3 Watt, 802.11b, Type N Female Connectors	229.99	218.49	206.99	195.49	183.99
HA2403GTI-NF	G	3 Watt, 802.11b/g/n, Type N Female Connectors	574.99	546.24	517.49	488.74	459.99
HA2404GTI-NF	G	4 Watt, 802.11b/g/n, Type N Female Connectors	624.99	593.74	562.49	531.24	499.99
HA2405GTI-NF	G	5 Watt, 802.11b/g/n, Type N Female Connectors	674.99	641.24	607.49	573.74	539.99
HA2406TI-NF	G	6 Watt, 802.11b, Type N Female Connectors	674.99	641.24	607.49	573.74	539.99
HA2408TI-NF	G	8 Watt, 802.11b, Type N Female Connectors	724.99	688.74	652.49	616.24	579.99
HA2408GTI-NF	G	8 Watt, 802.11b/g/n, Type N Female Connectors	1499.99	1424.99	1349.99	1274.99	1199.99
HA2410GTI-NF	G	10 Watt, 802.11b/g/n, Type N Female Connectors	1599.99	1519.99	1439.99	1359.99	1279.99
HA2420TI-NF	G	20 Watt, 802.11b, Type N Female Connectors	2099.99	1994.99	1889.99	1784.99	1679.99
HA2425TI-NF	G	25 Watt, 802.11b, Type N Female Connectors	2199.99	2089.99	1979.99	1869.99	1759.99
HA240105GAI-NF	G	1/5 Watt, Switchable 802.11b/g/n, Type N Female Connectors	824.99	783.74	742.49	701.24	659.99
HA240510GAI-NF	G	5/10 Watt, Switchable 802.11b & 802.11b/g/n, Type N Female Connectors	824.99	783.74	742.49	701.24	659.99
HA241025GAI-NF	G	10/25 Watt, Switchable 802.11b & 802.11b/g/n, Type N Female Connectors	2299.99	2184.99	2069.99	1954.99	1839.99

*These models also available in FCC Certified Amplifier Kits

HyperLink® 2.4 GHz Outdoor Amplifiers with DC Injector and Power Supply

HA2401G-100	C	100 mW, 802.11b/g/n, Type N Female Connectors	149.99	142.49	134.99	127.49	119.99
HA2401G-250	C	250 mW, 802.11b/g/n, Type N Female Connectors	159.99	151.99	143.99	135.99	127.99
HA2401G-500	C	500 mW, 802.11b/g/n, Type N Female Connectors	169.99	161.49	152.99	144.49	135.99
HA2401G-1000	C	1 Watt, 802.11b, Type N Female Connectors	169.99	161.49	152.99	144.49	135.99
HA2401GX-1000	D	1 Watt, 802.11b/g/n, Type N Female Connectors	199.99	189.99	179.99	169.99	159.99
HA2401RTG-100*	C	100 mW, 802.11b/g/n, RP-TNC Jack Connectors	149.99	142.49	134.99	127.49	119.99
HA2401RTG-250*	C	250 mW, 802.11b/g/n, RP-TNC Jack Connectors	159.99	151.99	143.99	135.99	127.99
HA2401RTG-500*	C	500 mW, 802.11b/g/n, RP-TNC Jack Connectors	169.99	161.49	152.99	144.49	135.99
HA2401RTG-1000	C	1 Watt, 802.11b, RP-TNC Jack Connectors	169.99	161.49	152.99	144.49	135.99
HA2401RTGX-1000*	D	1 Watt, 802.11b/g/n, RP-TNC Jack Connectors	199.99	189.99	179.99	169.99	159.99
HA2402GX-NF	D	2 Watt, 802.11b/g/n, Type N Female Connectors	249.99	237.49	224.99	212.49	199.99
HA2401-XL3000	D	3 Watt, 802.11b, Type N Female Connectors	249.99	237.49	224.99	212.49	199.99
HA2403GT-NF	G	3 Watt, 802.11b/g/n, Type N Female Connectors	649.99	617.49	584.99	552.49	519.99
HA2404GT-NF	G	4 Watt, 802.11b/g/n, Type N Female Connectors	699.99	664.99	629.99	594.99	559.99
HA2405GT-NF	G	5 Watt, 802.11b/g/n, Type N Female Connectors	749.99	712.49	674.99	637.49	599.99
HA2406T-NF	G	6 Watt, 802.11b, Type N Female Connectors	749.99	712.49	674.99	637.49	599.99
HA2408T-NF	G	8 Watt, 802.11b, Type N Female Connectors	799.99	759.99	719.99	679.99	639.99
HA2408GT-KIT	G	8 Watt, 802.11b/g/n, Type N Female Connectors, Includes NEMA Enclosure	1899.99	1804.99	1709.99	1614.99	1519.99
HA2410GT-KIT	G	10 Watt, 802.11b/g/n, Type N Female Connectors, Includes NEMA Enclosure	1999.99	1899.99	1799.99	1699.99	1599.99
HA2420T-KIT	G	20 Watt, 802.11b, Type N Female Connectors, Includes NEMA Enclosure	2499.99	2374.99	2249.99	2124.99	1999.99
HA2425T-KIT	G	25 Watt, 802.11b, Type N Female Connectors, Includes NEMA Enclosure	2599.99	2469.99	2339.99	2209.99	2079.99

*These models also available in FCC Certified Amplifier Kits

HyperLink® 2.4 GHz Indoor PoE Amplifiers

HyperLink® PoE amplifier models feature a built-in Power-Over-Ethernet interface. This allows the amplifier to receive its power by the same Cat5 cable used to pass Data and Power to an additional PoE device. This eliminates the need for an additional DC Injector and coax cable, simplifying installation.

HA2401GE-250	E	250 mW, 802.11b/g/n, Type N Female Connectors (Pwr Supply Not Included)	164.99	156.74	148.49	140.24	131.99
HA2401GE-500	E	500 mW, 802.11b/g/n, Type N Female Connectors (Pwr Supply Not Included)	174.99	166.24	157.49	148.74	139.99
HA2401GXE-1000	B	1 Watt, 802.11b/g/n, Type N Female Connectors (Pwr Supply Not Included)	204.99	194.74	184.49	174.24	163.99
HA2401GXE-KIT02	B	1 Watt, 802.11b/g/n, Type N Female Connectors (Includes Pwr Supply/PoE Injector)	234.99	223.24	211.49	199.74	187.99
HA2401GXE-2000	B	2 Watt, 802.11b/g/n, Type N Female Connectors (Pwr Supply Not Included)	254.99	242.24	229.49	216.74	203.99
HA2401GXE-3000	B	3 Watt, 802.11b, Type N Female Connectors (Pwr Supply Not Included)	254.99	242.24	229.49	216.74	203.99
HA2401RTGE-100*	E	100 mW, 802.11b/g/n, RP-TNC Jack Connectors (Pwr Supply Not Included)	154.99	147.24	139.49	131.74	123.99
HA2401RTGE-250*	E	250 mW, 802.11b/g/n, RP-TNC Jack Connectors (Pwr Supply Not Included)	164.99	156.74	148.49	140.24	131.99
HA2401RTGE-500*	E	500 mW, 802.11b/g/n, RP-TNC Jack Connectors (Pwr Supply Not Included)	174.99	166.24	157.49	148.74	139.99
HA2401RTGXE1000*	B	1 Watt, 802.11b/g/n, RP-TNC Jack Connectors (Pwr Supply Not Included)	204.99	194.74	184.49	174.24	163.99

*These models also available in FCC Certified Amplifier Kits

STYLES NOT SHOWN ON THIS PAGE APPEAR ON PAGE 18 OR 19.



HA2401MG-1000
STYLE A

Best Seller



HA2401GXI-1000
STYLE B



HA2401G-100
STYLE C

Best Seller



HA2401-XL3000
STYLE D



HA2401GXE-KIT02
STYLE B



HA2401RTGE-100
STYLE E

Informative e-mail newsletters
Our newsletters are packed with tips, tutorials, product info and downloads! L-com.com/Newsletter

L-com® Global Connectivity

Setup an Indoor WiFi Booster

Online Video
L-com.com/Videos/A30


HA2401SFGE
STYLE
E


HAKIT-RTGXIU-1000
STYLE
B

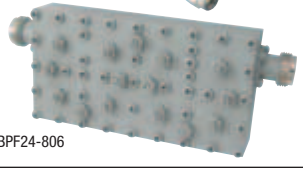

HAKIT-RTGXU-1000
STYLE
D


HAKIT-RTMG-100
STYLE
A


HAKIT-GE-100
STYLE
F


AXA-RTPRSJ


CA-RSPRTPCN19


BPF24-806

Item #	Style	Description	1-4	5-9	10-24	25-99	100-249

HyperLink® 2.4 GHz Indoor OEM Amplifiers

L-com's HyperLink® OEM amplifiers feature low profile SMA Female connectors. This helps reduce the overall height of the amplifier, making them ideal for installations with limited space. Models include standard OEM indoor amplifiers with SMA connectors (includes power supplies) and Power-over-Ethernet models with SMA connectors (power supply sold separately).

HA2401SFGI-100	E	100 mW, 802.11b/g/n, SMA Female Connectors	129.99	123.49	116.99	110.49	103.99
HA2401SFGI-250	E	250 mW, 802.11b/g/n, SMA Female Connectors	139.99	132.99	125.99	118.99	111.99
HA2401SFGI-500	E	500 mW, 802.11b/g/n, SMA Female Connectors	149.99	142.49	134.99	127.49	119.99
HA2401SFGI-1000	E	1 Watt, 802.11b, SMA Female Connectors	149.99	142.49	134.99	127.49	119.99
HA2401SFGE-100	E	100 mW, 802.11b/g/n, with PoE Interface, SMA Female Connectors	154.99	147.24	139.49	131.74	123.99
HA2401SFGE-250	E	250 mW, 802.11b/g/n, with PoE Interface, SMA Female Connectors	164.99	156.74	148.49	140.24	131.99
HA2401SFGE-500	E	500 mW, 802.11b/g/n, with PoE Interface, SMA Female Connectors	174.99	166.24	157.49	148.74	139.99
HA2401SFGE-1000	E	1 Watt, 802.11b, with PoE Interface, SMA Female Connectors	174.99	166.24	157.49	148.74	139.99

HyperLink® 2.4 GHz FCC Certified Amplifier/Booster Kits

L-com makes it easy to boost your performance with our 2.4 GHz 802.11b/g FCC certified WiFi amplifier/booster kits. Available to our customers in the USA, these kits can be purchased without any special FCC licenses or FCC forms to fill out. Each kit includes:

- 2.4 GHz WiFi amplifier with RP-TNC connectors
- Removable 2 dBi rubber duck antenna
- DC Injector (with outdoor kits)
- 802.11g USB wireless Ethernet adapter
- Power supply (except for PoE kits)
- Installation CD with drivers and wireless utility

How to Setup a Laptop WiFi Booster Kit (Indoor Use)



See the video at www.L-com.com/Videos/A32



HyperLink® 2.4 GHz FCC Certified Indoor Amplifier Kits/Booster Kits

HAKIT-RTGIU-100	E	100 mW 802.11g, Amplifier Kit, RP-TNC Connectors	129.90	123.41	116.91	110.42	103.92
HAKIT-RTGIU-250	E	250 mW 802.11g, Amplifier Kit, RP-TNC Connectors	139.99	132.99	125.99	118.99	111.99
HAKIT-RTGIU-500	E	500 mW 802.11g, Amplifier Kit, RP-TNC Connectors	149.99	142.49	134.99	127.49	119.99
HAKIT-RTGXIU-1000	B	1 Watt 802.11g, Amplifier Kit, RP-TNC Connectors	179.99	170.99	161.99	152.99	143.99

HyperLink® 2.4 GHz FCC Certified Outdoor Amplifier Kits/Booster Kits

HAKIT-RTGU-100	E	100 mW 802.11g, Amplifier Kit, RP-TNC Connectors	149.99	142.49	134.99	127.49	119.99
HAKIT-RTGU-250	E	250 mW 802.11g, Amplifier Kit, RP-TNC Connectors	159.99	151.99	143.99	135.99	127.99
HAKIT-RTGU-500	E	500 mW 802.11g, Amplifier Kit, RP-TNC Connectors	169.99	161.49	152.99	144.49	135.99
HAKIT-RTGXU-1000	D	1 Watt 802.11g, Amplifier Kit, RP-TNC Connectors	199.99	189.99	179.99	169.99	159.99

HyperLink® 2.4 GHz FCC Certified Economy Indoor Amplifier/Booster Kits

HAKIT-RTMG-100	A	100 mW 802.11g Indoor Economy Amplifier Kit, RP-TNC Connectors	104.99	99.74	94.49	89.24	83.99
HAKIT-RTMG-250	A	250 mW 802.11g Indoor Economy Amplifier Kit, RP-TNC Connectors	114.99	109.24	103.49	97.74	91.99
HAKIT-RTMG-500	A	500 mW 802.11g Indoor Economy Amplifier Kit, RP-TNC Connectors	124.99	118.74	112.49	106.24	99.99
HAKIT-RTMG-1000	A	1 Watt 802.11b Indoor Economy Amplifier Kit, RP-TNC Connectors	124.99	118.74	112.49	106.24	99.99

HyperLink® 2.4 GHz FCC Certified Indoor PoE Amplifier/Booster Kits

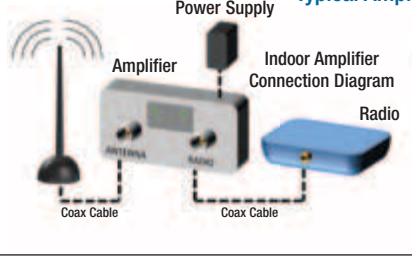
HAKIT-GE-100	F	100 mW 802.11g Indoor PoE Amplifier Kit, RP-TNC Connectors	154.99	147.24	139.49	131.74	123.99
HAKIT-GE-250	F	250 mW 802.11g Indoor PoE Amplifier Kit, RP-TNC Connectors	164.99	156.74	148.49	140.24	131.99
HAKIT-GE-500	F	500 mW 802.11g Indoor PoE Amplifier Kit, RP-TNC Connectors	174.99	166.24	157.49	148.74	139.99
HAKIT-GXE-1000	F	1 Watt 802.11b Indoor PoE Amplifier Kit, RP-TNC Connectors	204.99	194.74	184.49	174.24	163.99

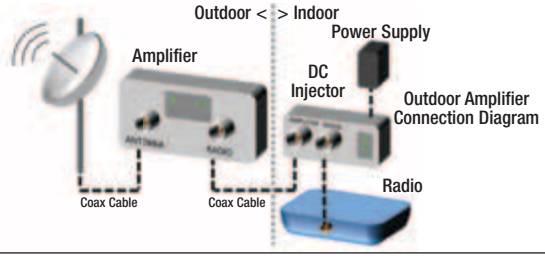
Item #	Description	1-9	10-24	25-99	100-249	250-499

HyperLink® FCC Certified Amplifier Kit Accessories

AXA-RTPRSJ	RP-TNC Plug to RP-TNC Jack Adapter	3.99	3.83	3.67	3.39	2.99
CA-RSPRTPCN19	RP-SMA Plug to RP-TNC Plug Pigtail, 19in (48.3cm), 100-Series Cable	14.99	14.39	13.79	13.19	12.59
CA-RSJRTPA002	RP-SMA Jack to RP-TNC Plug Pigtail, 2.0ft (0.6m), 195-Series Cable	22.20	19.98	17.76	15.54	13.32
BPF24-806	2.4 GHz 8-Pole Indoor Bandpass Filter, Channel 6	89.99	82.79	75.59	68.39	CALL
BPF24-806A	2.4 GHz 8-Pole Outdoor Bandpass Filter, Channel 6	124.99	114.99	104.99	94.99	CALL

Typical Amplifier Connections





L-com Global Connectivity

Customer Testimonials
Read why others choose L-com.
L-com.com/Testimonials

Item #	Style	Description	1-4	5-9	10-24	25-99	100-249

5.8 GHz Bi-Directional Amplifiers

L-com's HyperLink® 5.8 GHz WLAN amplifiers are compatible with IEEE 802.11a/n OFDM radios as well as radios using Direct Sequence or Frequency Hopping Spread Spectrum modulation and can be used for 5.8 GHz UNII, ISM IEEE 802.11a, and MESH wireless network applications.

HyperLink® 5.8 GHz Indoor Amplifiers with Power Supply

HA5801I-500	E	500 mW, 802.11a/n, Fixed Gain, Type N Female Connectors	149.99	142.49	134.99	127.49	119.99
HA5801I-1000SMA	F	1 Watt, 802.11a/n, Fixed Gain, SMA Female Connectors	199.95	189.95	179.95	169.96	159.96
HA5803I	G	3 Watt, 802.11a/n, Type N Female Connectors	1149.99	1092.49	1034.99	977.49	919.99
HA5805I	G	5 Watt, 802.11a/n, Type N Female Connectors	1249.99	1187.49	1124.99	1062.49	999.99

HyperLink® 5.8 GHz Outdoor Amplifiers with DC Injector and Power Supply

HA5801-500	C	500 mW, 802.11a/n, Fixed Gain, Type N Female Connectors	199.99	189.99	179.99	169.99	159.99
HA5801-1000	F	1 Watt, 802.11a/n, Fixed Gain, Type N Female Connectors	250.00	235.00	220.00	205.00	190.00
HA5803	G	3 Watt, 802.11a/n, Type N Female Connectors	1199.99	1139.99	1079.99	1019.99	959.99
HA5805	G	5 Watt, 802.11a/n, Type N Female Connectors	1299.99	1234.99	1169.99	1104.99	1039.99

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3.5 GHz WiMAX Amplifiers

The HyperLink® HA3501X-1000 series are 1 Watt 3.5 GHz amplifiers ideal for 802.16e WiMAX wireless applications. These fixed gain amplifiers are available in both indoor (includes power supply) and outdoor (includes DC injector and power supply) models .

HyperLink® 3.5 GHz Indoor Amplifier

HA3501I-1000	F	1 Watt Indoor, 802.16e, Fixed Gain, Type N Female Connectors	200.00	188.00	176.00	164.00	152.00

HyperLink® 3.5 GHz Outdoor Amplifier

HA3501-1000	F	1 Watt Outdoor, 802.16e, Fixed Gain, Type N Female Connectors	250.00	235.00	220.00	205.00	190.00

4.9 GHz Bi-Directional Amplifiers

L-com's HyperLink® 4.9 GHz amplifiers are perfect for use in public safety and homeland security networks. Additionally these 4.9 GHz amplifiers are compatible with OFDM radios as well as radios using Direct Sequence or Frequency Hopping Spread Spectrum modulation.

HyperLink® 4.9 GHz Indoor Amplifiers with Power Supply

HA4903I	G	3 Watt, Type N Female Connectors	1449.99	1377.49	1304.99	1232.49	1159.99
HA4905I	G	5 Watt, Type N Female Connectors	1549.99	1472.49	1394.99	1317.49	1239.99

HyperLink® 4.9 GHz Outdoor Amplifiers with DC Injector Power Supply

HA4903	G	3 Watt, Type N Female Connectors	1499.99	1424.99	1349.99	1274.99	1199.99
HA4905	G	5 Watt, Type N Female Connectors	1599.99	1519.99	1439.99	1359.99	1279.99

900 MHz Bi-Directional Amplifiers

L-com's HyperLink® HA900 series WLAN amplifiers are compatible with 900 MHz wireless LAN equipment including the new generation 2.75 Mbit CCK (Complementary Code Keying) spread spectrum radios.

HyperLink® 900 MHz Indoor Amplifiers with Power Supply

HA900I-APC500	B	500 mW, Type N Female Connectors	299.95	284.95	269.95	254.96	239.96
HA901I-APC	B	1 Watt, Type N Female Connectors	329.99	313.49	296.99	280.49	263.99
HA903I-APC	B	3 Watt, Type N Female Connectors	379.99	360.99	341.99	322.99	303.99
HA905I-APC	G	5 Watt, Type N Female Connectors	449.99	427.49	404.99	382.49	359.99
HA910I-APC	G	10 Watt, Type N Female Connectors	649.99	617.49	584.99	552.49	519.99
HA925DX-XXX	H	25 Watt, Type N Female Connectors	749.99	712.49	674.99	637.49	599.99
HA905I-DM	G	5 Watt, OFDM Compatible, Type N Female Connectors	649.99	617.49	584.99	552.49	519.99

HyperLink® 900 MHz Outdoor Amplifiers with DC Injector and Power Supply

HA900-APC500	D	500 mW, Type N Female Connectors	349.95	332.45	314.95	297.46	279.96
HA901-APC	D	1 Watt, Type N Female Connectors	379.99	360.99	341.99	322.99	303.99
HA903-APC	D	3 Watt, Type N Female Connectors	429.99	408.49	386.99	365.49	343.99
HA905-APC	G	5 Watt, Type N Female Connectors	499.99	474.99	449.99	424.99	399.99
HA910-APC	G	10 Watt, Type N Female Connectors	699.99	664.99	629.99	594.99	559.99
HA925SE-XXX	H	25 Watt, Type N Female Connectors	799.99	759.99	719.99	679.99	639.99
HA905-DM	G	5 Watt, OFDM Compatible, Type N Female Connectors	699.99	664.99	629.99	594.99	559.99

Amplifier Accessories

- 0-3 GHz Coaxial Lightning Protectors - See Page 35
- 0-6 GHz Coaxial Lightning Protectors - See Page 35
- Bandpass Channel Filters - See Page 25



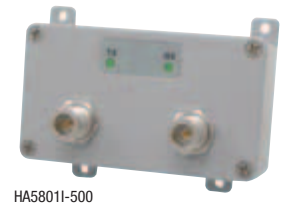
AL-NFNFB-9 - page 35



AL6-NMNFBW-9 - page 35

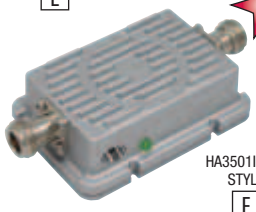


BPF24-406 - page 25

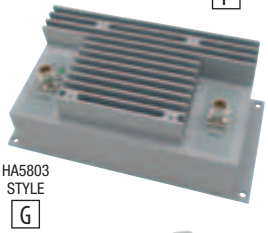


HA5801I-500
STYLE
E

New



HA3501I-1000
STYLE
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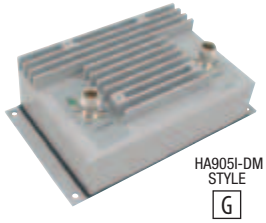
HA5803
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HA901I-APC
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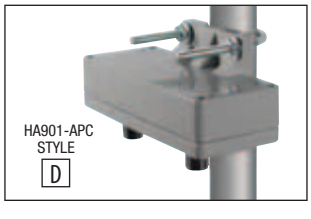
HA925DX-XXX
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HA905I-DM
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Setup an Outdoor WiFi Booster

Online Video
L-com.com/Videos/A31



HA901-APC
STYLE
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RoHS status information
listed online for every product.
L-com.com/RoHS

L-com Global Connectivity



Wireless CPE, Access Points, Adapters
Wireless Networking Tutorial

What is a Wireless Network?

A wireless network is very similar to a wired network, the only thing that's missing are the cables that are used in a wired network that connect PCs and laptops to the switch (or Access Point/CPE/WiFi router in the case of a wireless network). Like wired Ethernet networks, 802.11x based wireless networks communicate via the Internet Protocol (IP). The end result is the same, PC and laptop access to the internet, printers, and servers. Additionally, 802.11 networks provide wireless access for devices such as smart phones and tablets.

Access Point/CPE Overview

An access point or Customer Premise Equipment (CPE) performs the function of connecting wireless users (and other wireless networks) to a wired router or wired WLAN controller. Most modern access points or CPEs can be configured for several modes of operation.

Access Point (AP) Mode:

Allows wireless equipment such as a Smart Phone or Laptop to be connected to a wired network. In this mode the CPE unit is typically connected to a router on a wired network. The CPE unit provides security features that allow only select wireless devices to connect to it.

Wireless Client Mode:

In this mode the CPE unit connects to another active access point as if it were a wireless device like a Laptop. Once connected it can provide network/internet connectivity to wired devices without wireless functionality via the CPE's Ethernet port.

Bridge Mode:

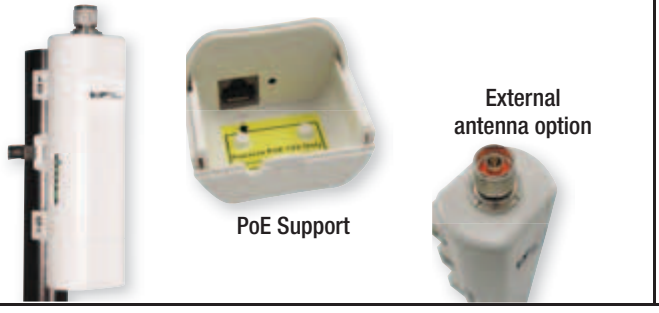
Wireless bridge mode is used to connect two or more network segments that are physically separated. Using the WDS settings, only the selected CPEs can communicate with each other and will deny access to other wireless devices trying to access them. Bridges can be used in Point-to-Point (connecting two commercial buildings) or Point-to-Multipoint (connecting multiple buildings on a college campus) applications.

Repeater Mode:

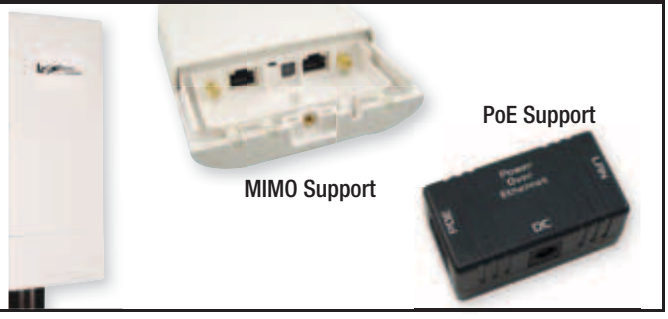
This mode is used to extend the range of an existing access point. This mode is also ideal when an obstruction is preventing wireless connectivity within a select area. Repeaters are commonly used when providing wireless connectivity to multi-story buildings and large homes.

L-com Wireless CPE Features

2.4 GHz 802.11b/g/n CPE



5 GHz 802.11a/n MIMO CPE



802.11 Wireless Standards

IEEE Standard	802.11a	802.11b	802.11g	802.11n	802.11ac (Draft)
Year Released	1999	1999	2003	2009	2011 (Draft)
Frequency	5 GHz	2.4 GHz	2.4 GHz	2.4/5 GHz	5 GHz
Max. Data Rate	54 Mbps	11 Mbps	54 Mbps	600 Mbps	>1 Gbps
Typical Range Indoors*	100 ft.	100 ft.	125 ft.	225 ft.	TBD
Typical Range Outdoors*	400 ft.	450 ft.	450 ft.	825 ft.	TBD

*Range estimates are typical and require line of sight.

Wireless Network Design Resources

L-com offers an online library of wireless network application diagrams to show how our products work together to support various WiFi applications. Additionally we offer free technical design documents and calculators to help you with your wireless network applications.
Go online to see more at L-com.com/resources

L-com Global Connectivity

For more useful information go to....
L-com.com/Resources

Item #	Description	List Price

L-com Brand CPE Wireless Access Points

Today's wireless market, more specifically the outdoor wireless market, continues to demand higher transmit power, greater dependability and advanced feature sets, all while keeping the client-side cost down. L-com brand CPEs are all-in-one cost effective weatherproof wireless devices featuring high output power as well as all the essential features for both operating as an Access Point or a CPE Client. This dual approach offers greater flexibility and reduced inventory stock as these units can perform all that is required for establishing reliable wireless networks.

WLAN-LCCPE28-1	2.4GHz 802.11b/g/n Outdoor CPE	69.99
WLAN-LCCPE516-1	5GHz 802.11a/n Outdoor CPE	84.99

L-com Brand USB Series Wireless Adapters

WLAN-LCUSB-01	USB 2.0 Wireless 802.11g Adapter with 2 dBi Antenna	19.99
WLAN-LCUSB2458	USB 2.0 Wireless 802.11a/b/g/n Adapter with 5 dBi Antenna	40.00

L-com Brand High Powered Wireless USB Adapter

The L-com WLAN-LCUSB2415 is a high power, up to 1W RF transmit power, wireless USB adapter which increases the wireless signal strength and extends wireless coverage. This high power USB adapter supports higher data rates up to 150Mpbs when connected to a wireless 802.11n device, making signal travel farther and guarantee wireless connections compared to a standard wireless 802.11b/g network.

WLAN-LCUSB2415	USB 2.0 Wireless 802.11b/g/n Adapter	45.00

Planet 802.11a/b/g Outdoor MESH Access Point

The Planet Mesh Access Point MAP-3020 is designed with IEEE 802.11a/b/g standards and addressed on providing a high performance Mesh network. It provides local wireless connectivity at any location over a self-adaptation mesh backhaul.

MAP-3020	Planet 802.11a/b/g Outdoor MESH Access Point	1059.00

Planet Wireless G 54Mbps PC Cardbus Adapter

The Planet IEEE 802.11g wireless adapter can operate in either Ad-Hoc mode (Point to Point/Point to Multipoint without an Access Point) or in Infrastructure mode (Point to Point/Point to Multipoint with an Access Point).

WLAN-NIC3560	Planet Wireless G 54Mbps PCMCIA Adapter	35.00

Planet 802.11n Wireless PCI Adapter

The Planet WNL-9330 is a PCI 2.2 wireless adapter that integrates one transmit channel and two concurrent receive channels; thus it supports up to 150Mbps upload and 300Mbps download data rate.

WNL-9330	Planet 802.11n Wireless PCI Adapter	44.44

Planet 802.11n Indoor Access Point

The Planet WNAP series access point includes advanced management features, superior encryption standard and is cost effective. The built-in IEEE 802.11n single antenna and MIMO (up to 3 Tx, Transmit chains / 3 Rx, Receive chains) technology enables the data rate up to 300Mbps and is compatible with IEEE 802.11b/g devices.

WNAP-3000PE	Planet 802.11n PoE Access Point	169.99

NETGEAR Access Points/Routers/Client Bridges

NETGEAR offers a wide range of radios for SOHO and small business applications. L-com offers a selection below and others are available by special order. Ask your sales representative for details.

WLAN-WG111	NETGEAR USB 2.0 to 802.11g Adapter	53.00
WLAN-WN311B-100NAS	NETGEAR 802.11b/g/n Wireless PCI Adapter	82.98
WLAN-WG511	NETGEAR NIC Wireless G 32 BIT Cardbus	53.00
WLAN-WG602	NETGEAR Wireless AP 802.11g 54Mbps	79.00
WLAN-WGR614	NETGEAR Wireless Router 802.11g	53.00
WLAN-WGR614NA	NETGEAR 802.11g Wireless Router	47.00
WLAN-WNR2000-100NAS	NETGEAR 802.11b/g/n Wireless N Router	59.99
WNAP210-100NAS	NETGEAR Prosafe 802.11n Ap with PoE	199.00
WNDA3100-100NAS	NETGEAR 802.11a/b/g/n Wireless Dual Band USB Adapter	84.74

Linksys Access Points/Routers/Client Bridges

Linksys offers a wide range of radios for business, SOHO and home applications. L-com offers a small selection below and others are available by special order. Ask your sales representative for details.

WLAN-WAP610N	Linksys Wireless Access Point, Dual Band, 802.11N	129.99
WLAN-WRT54GL	Linksys 802.11g Broad Band Router 4 10/100	89.00
WLAN-WRVS4400N	Cisco/Linksys 802.11b/g/n Wireless N Gigabit Security Router with VPN	249.00

Best Seller



WLAN-LCCPE28-1



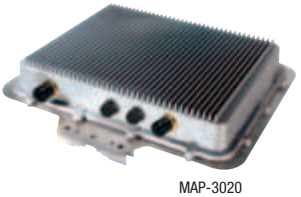
WLAN-LCCPE516-1



WLAN-LCUSB2458



WLAN-LCUSB2415



MAP-3020



WNDA3100-100NAS



WLAN-WAP610N

Same day shipping
Orders placed before 4:00 EST ship the same day.

L-com Global Connectivity

UB-BULLET2HP

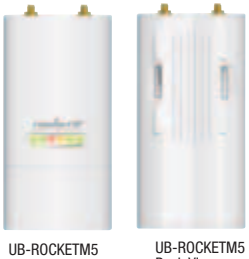




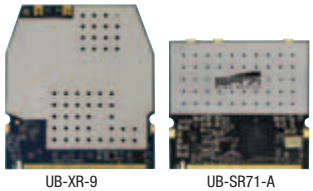
UB-NS2 Front View | UB-NS2 Side View | UB-NS2 Back View



UB-AIRWIRE



UB-ROCKETM5 Front View | UB-ROCKETM5 Back View



UB-XR-9 | UB-SR71-A

New



ARK4958DP-17Y-1

New



ARK5158DP-32D-2

Item #	Description	List Price

Ubiquiti® Access Points/Routers/Bridges/Clients

As a distributor of Ubiquiti® WLAN products, L-com can now provide a complete wireless solution to our customers.

Ubiquiti® Bullet Series Inline Wireless Access Points

Instantly transform any antenna into a carrier class radio system with Ubiquiti's unique Bullet series inline wireless access points. The Bullet features a signal strength LED meter for precise antenna alignment, a low-loss integrated N-type RF connector, and a robust weatherproof design.

UB-BULLET2	Ubiquiti Inline 802.11b/g Access Point	39.00
UB-BULLET5	Ubiquiti Inline 802.11b/g Access Point	63.95
UB-BULLET2HP	Ubiquiti Inline 802.11b/g High Power Access Point	79.00
UB-BULLETM2HP	Ubiquiti Inline 802.11b/g High Power Access Point	79.00
UB-BULLETM5HP	Ubiquiti Inline 802.11b/g High Power Access Point	79.00

Ubiquiti® NanoStation, Loco, RouterStation, and WiFiStation Access Points

The NanoStation, Loco, RouterStation and WiFiStation series product provide lower cost while maintaining the reliability and performance associated with the Ubiquiti line of wireless radios.

UB-NS2	Ubiquiti NanoStation 2 802.11b/g Access Point	79.00
UB-NS5	Ubiquiti NanoStation 5 802.11a Access Point	89.00
UB-NS2L	Ubiquiti NanoStation Loco (low cost) 802.11b/g Access Point	52.95
UB-NS5L	Ubiquiti NanoStation 5 Loco 802.11a Access Point	69.00
UB-NS-WM	Ubiquiti NanoStation Window Mounting Kit	19.95
UB-RS	Ubiquiti RouterStation, 3 MPCI 64mb SDRM	69.99
UB-WS	Ubiquiti WiFi Station USB 1000mW, 802.11g/n	29.99
UB-WS-EXT	Ubiquiti WiFi Station USB 1000mW, 802.11g/n External ANT	29.99
UB-WS5	Ubiquiti WispStation 5, 5.2-5.8 GHz	49.99

Ubiquiti® NanoStation and Loco M Series Access Points

The NanoStation M series access points feature optimized cross-polarity isolation and in a compact form-factor. Additionally, these robust access points provide 150+ Mbps real outdoor throughput and up to 15 km+ range. Featuring 2x2 MIMO technology, the new NanoStation M links significantly faster and farther than ever before.

UB-NSM2	Ubiquiti NanoStation M 802.11b/g Access Point	89.99
UB-NSM5	Ubiquiti NanoStation M 802.11a Access Point	89.99
UB-NSM365	Ubiquiti NanoStation M365, AP/Bridge	169.99
UB-NSLM5	Ubiquiti NanoStation Loco M5 AP 13 dBi	69.99
UB-NSLM900	Ubiquiti NanoStation Loco 900 MHz AP	159.99

Ubiquiti® PowerBridge, AirRouter, and AirWire Series Access Points

The PowerBridge series are versatile open architecture 802.11 based, high powered outdoor wireless platforms that can be used for AP, Bridge, PMP Station and Mesh networking clients. The AirWire and AirRouter are also high powered radios with multiple applications.

UB-PBM5	Ubiquiti ANT/RADIO Integral 5 GHz 26 dBi	269.99
UB-AIRROUTER	Ubiquiti SOHO A/P Router Bridge 2.4/5 GHz	39.99
UB-AIRWIRE	Ubiquiti MIMO Wireless Ethernet Kit	139.99

Ubiquiti® Rocket M Series Access Points

The Rocket is a rugged, hi-power, very linear 2x2 MIMO radio with enhanced receiver performance. It features incredible range performance (50+km) and breakthrough speed (150+Mbps real TCPI/IP). The Rocket M series was specifically designed for outdoor PtP bridging and PTMP Airmax base-station applications.

UB-ROCKETM2	Ubiquiti Rocket M Series 802.11b/g Access Point	89.99
UB-ROCKETM5	Ubiquiti Rocket M Series 802.11a Access Point	89.99
UB-ROCKETM365	Ubiquiti Rocket M365 AP/Bridge	189.99
UB-ROCKETM900	Ubiquiti Rocket M900 AP/Bridge	189.99

Ubiquiti® Radio Modules

The XtremeRange series of radio modules by Ubiquiti® leverages the strong knowledge and experience gained from customer interactions, field performance evaluations and lab research; and improves upon the original and highly successful SuperRange (SR series) of high-performance 802.11 radio cards.

UB-XR-2	Ubiquiti XtremeRange 2.4 GHz Mini-PCI Module	99.95
UB-XR-5	Ubiquiti XtremeRange 5 GHz Mini-PCI Module	99.95
UB-XR-9	Ubiquiti XtremeRange 900 MHz Mini-PCI Module	129.95
UB-SR2	Ubiquiti Super Range 2.4 GHz PCI IIIA, 802.11b/G 32-Bit Mini-PCI	109.95
UB-SR5	Ubiquiti Super Range 5.2/5.9 GHz PCI III, 802.11b/G 32-Bit Mini-PCI IIIA	109.95
UB-SR71-A	Ubiquiti 32-Bit Mini PCI 802.11a/b/g/n MIMO Module	99.95
UB-SR71-C	Ubiquiti MIMO Radio 2.4/5 GHz PCI III, 802.11a/b/g/n 100mW	139.99

Ubiquiti® PoE Series

Ubiquiti® PoE Series are matched to the radios and offer excellent performance with Ubiquiti® radios.

UB-POE15	Ubiquiti PoE Injector, 15V	9.00
UB-POE24	Ubiquiti PoE Injector, 24V	15.00
UB-POEI8023AF-OD	Ubiquiti PoE Instant 802.3af/Indoor, 48V	19.00
UB-POEI8023AF-ID	Ubiquiti PoE Instant 802.3af/Outdoor, 48V	19.00

HyperLink® Dual Polarity Dish Antenna Kits

L-com's 5.8 GHz ARK Series combines a high gain antenna, high power Wireless Access Point/CPE and the required cables into one cost saving package. Customers can enjoy the cost saving of these kits compared to purchasing these components separately. Ideal for IEEE 802.11a/n WiFi applications, these 5.8 GHz ARK Series kits are the perfect solution for WISP installers.

ARK4958DP-17Y-1	17 dBi Yagi Antenna / Ubiquiti Rocket RM5 Radio Kit	214.85
ARK4958DP-17Y-2	17 dBi Yagi Antenna / L-com Outdoor CPE/AP Kit	210.60
ARK4958DP-25D-1	25 dBi Dish Antenna / Ubiquiti Rocket RM5 Radio Kit	193.60
ARK4958DP-25D-2	25 dBi Dish Antenna / L-com Outdoor CPE/AP Kit	189.35
ARK4958DP-30D-1	30 dBi Dish Antenna / Ubiquiti Rocket RM5 Radio Kit	214.85
ARK4958DP-30D-2	30 dBi Dish Antenna / L-com Outdoor CPE/AP Kit	210.60
ARK4958DP-34D-1	34 dBi Dish Antenna / Ubiquiti Rocket RM5 Radio Kit	321.10
ARK4958DP-34D-2	34 dBi Dish Antenna / L-com Outdoor CPE/AP Kit	316.85
ARK5158DP-10U-1	10 dBi Omni Antenna / Ubiquiti Rocket RM5 Radio Kit	193.60
ARK5158DP-10U-2	10 dBi Omni Antenna / L-com Outdoor CPE/AP Kit	189.35
ARK5158DP-13U-1	13 dBi Omni Antenna / Ubiquiti Rocket RM5 Radio Kit	227.60
ARK5158DP-13U-2	13 dBi Omni Antenna / L-com Outdoor CPE/AP Kit	223.35
ARK5158DP-29D-1	28.5 dBi Dish Antenna / Ubiquiti Rocket RM5 Radio Kit	308.35
ARK5158DP-29D-2	28.5 dBi Dish Antenna / L-com Outdoor CPE/AP Kit	304.10
ARK5158DP-32D-1	32 dBi Dish Antenna / Ubiquiti Rocket RM5 Radio Kit	376.35
ARK5158DP-32D-2	32 dBi Dish Antenna / L-com Outdoor CPE/AP Kit	372.10

Item #	Description	List Price

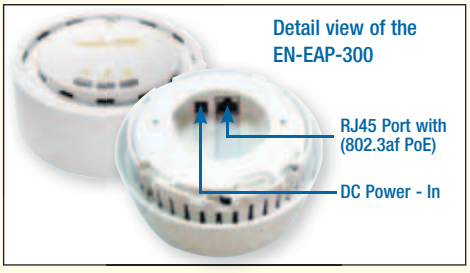
EnGenius® Access Points/Routers/Bridges/Clients

L-com now offers a broad line of EnGenius® access points, routers and wireless bridges.

EnGenius® ECB Series Access Points

With the quality and functionality expected of an EnGenius® product, the ECB Series provides up to 800mW of high wireless output power and also adds advanced features such as SNMP management, Wireless Distribution System (WDS), and Power-over-Ethernet (PoE) capability.

EN-ECB-150	EnGenius 802.11b/g/n Wireless-N (150N) Indoor Access Point / Client Bridge / WDS / Repeater	79.00
EN-ECB-300	EnGenius 802.11b/g/n Wireless-N (300N) Indoor Access Point / Client Bridge / WDS / Repeater	99.00
EN-ECB-350	EnGenius 802.11b/g/n Wireless-N (300N) Indoor Access Point / Client Bridge / WDS / Repeater	129.00
EN-ECB-3500	EnGenius Multi Function 802.11b/g AP/Router/Bridge	109.00
EN-ECB-9500	EnGenius Multi Function 802.11n AP/Router/Bridge	109.00



Aesthetic "Smoke Detector" Design
- Minimal footprint and no protruding antennas
- Designed to blend in to various business environments
- Unobtrusive design prevents tampering to protect your Investment

High 800mW Wireless Power
- Ensures robust signal to overcome long distances
- Offers superior WiFi coverage than leading brands

Multiple Wireless Names
- Broadcast multiple WiFi networks with one device
- Permits different levels of network access (VLAN Tagging)

Power-over-Ethernet (802.3af Compliant)
- Power and data over one cable to ease deployment

EnGenius® EAP, and ESR Series A/P Routers Indoor

This Series of A/P routers include "smoke detector" versions, mini routers and high power A/P routers. Some have integral antennas while others permit external and detachable antennas to be deployed for better coverage. The Engenius XtraRange ESR series is a 2.4GHz, 4-Port Wireless-N Router with wireless speeds range from 150Mbps up to 300Mbps. This sleek, cost-effective Wireless-N router is designed to offer robust wired and wireless connectivity and performance for computers, smartphones, tablet PCs in a home or small office.

EN-EAP-150	EnGenius 802.11b/g/n 26dBm WDS Bridge, VLAN Access Point	79.00
EN-EAP-300	EnGenius 802.11b/g/n 29dBm WDS Bridge, VLAN Access Point	99.00
EN-EAP-350	EnGenius 800mW, 300Mbps, 802.11b/g/n Indoor Access Point	119.00
EN-ESR-150H	EnGenius 200mW High Power Wireless N Router	37.99
EN-ESR-300H	EnGenius 200mW Wireless N Router 802.11b/g/n	44.99
EN-ESR-600H	EnGenius HighPower Wireless N 300Mbps DB Router	109.99
EN-ESR-750H	EnGenius HP WirelessN 300Mbps and 450Mbps DB Router	129.99
EN-ESR-1221N	EnGenius Engenius Mini Soho Router 802.11b/g/n	29.99
EN-ESR-1221N2	EnGenius 300 Mbps Wireless N Router	34.99

EnGenius® EUB Series 802.11b/g High Power USB Adapter

The EnGenius® EUB series USB WLAN adapters are designed for users who require maximum range and performance in their wireless networks. The EUB series offers a rich feature set including security features such as WPA and 802.1x.

EN-EUB-9603EXT	EnGenius 802.11b/g/n High Power USB Adapter with External Antenna	29.99
EN-EUB-9603H	EnGenius 802.11b/g/n High Power USB Adapter	44.99
EN-EUB-9706	EnGenius 802.11b/g/n Wireless N USB Adapter-300Mbps	29.99
EN-EUB-9707	EnGenius 802.11b/g/n High Power Dongle USB Adapter	24.99
EN-EUB-9801	EnGenius 802.11b/g/n Wireless N USB Dual Band Adapter-300Mbps	39.99

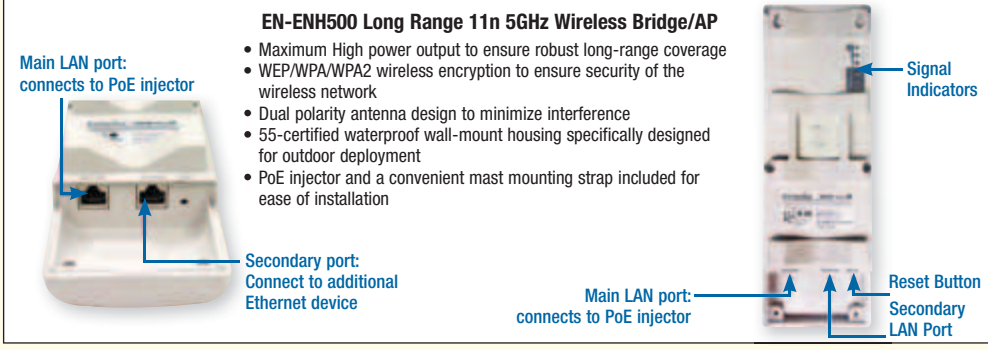
EnGenius® ENH Series

The ENH series Business-Class Long-Range Wireless-N Outdoor Client Bridge/Access Point is an affordable, high-performance, secure wireless networking solution. Designed for outdoor deployments that require secure and robust wireless coverage, the ENH series is a great fit for demanding applications including high-speed IP camera and video streaming applications.

EN-ENH200	EnGenius 802.11b/g/n, 500mW, Integrated 10dBi Antenna	89.00
EN-ENH200EXT	EnGenius Wireless Outdoor 500mW Long-range AP/Bridge w/external antenna Ports	89.00
EN-ENH202	EnGenius Wireless Outdoor 500mW Long-range AP/Bridge	99.00
EN-ENH210	EnGenius 802.11n 2.4GHz Wireless Out AP Bridge	269.00
EN-ENH210EXT	EnGenius 802.11n 2.4GHz Wireless Out Bridge AP W/External Antenna Ports	279.99
EN-ENH500	EnGenius Long Range 11n 5GHz Wireless Bridge/AP	99.00
EN-ENH700EXT	EnGenius Long-Range Dual Radio 802.11n 500mw Outdoor AP	499.99

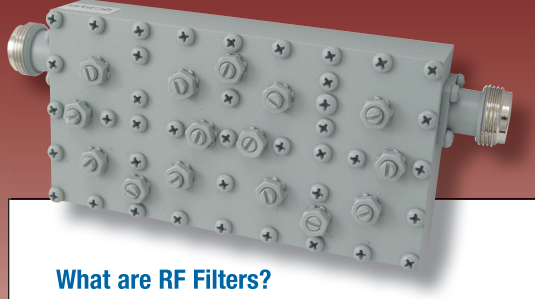
EN-ENH500 Long Range 11n 5GHz Wireless Bridge/AP

- Maximum High power output to ensure robust long-range coverage
- WEP/WPA/WPA2 wireless encryption to ensure security of the wireless network
- Dual polarity antenna design to minimize interference
- 55-certified waterproof wall-mount housing specifically designed for outdoor deployment
- PoE injector and a convenient mast mounting strap included for ease of installation





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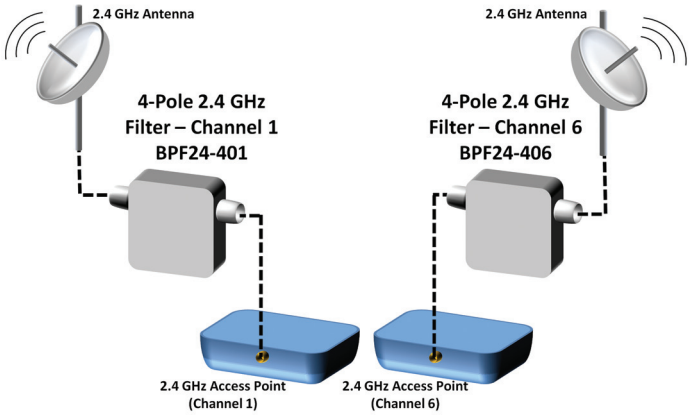
RF Filters/Splitters Tutorial

What are RF Filters?

RF Filters reduce out of band interference and improve performance of co-located equipment. An RF Filter will only pass the frequency and channel you are transmitting or receiving and reduce the interference of signals outside your channel. Interference is usually caused by transmission sources near the channel you are transmitting on.

L-com's RF Filters are available in full band versions or fixed channel versions and provide excellent channel rejection. All filters feature rugged aluminum construction and are available for indoor or outdoor applications.

Typical RF Filter Application



2.4 GHz Bandpass Channel Filter Application

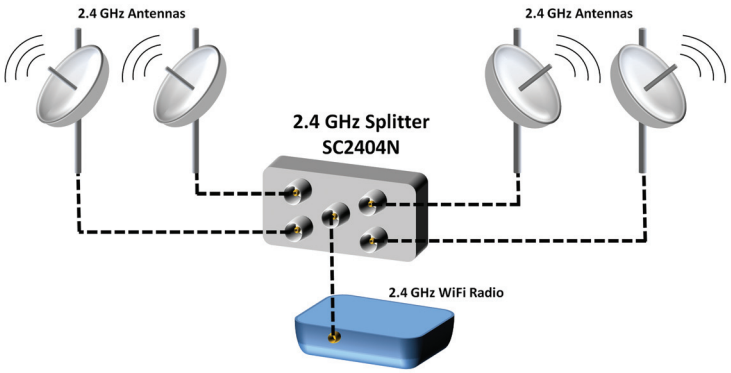
What are RF Splitters/Combiners?

An RF Splitter/Combiner is a transmission component which divides or sums power between two or more ports. Typically they are used for connecting more than one antenna to a single radio and can also be used to connect multiple radios to a single antenna using the same frequency.



For more useful information go to....
L-com.com/Resources

Typical RF Splitter Application

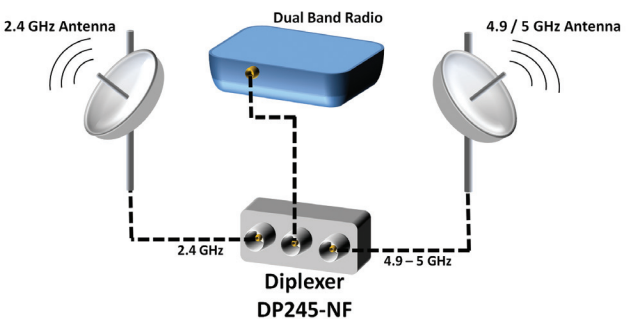


4-Way Signal Splitter Application

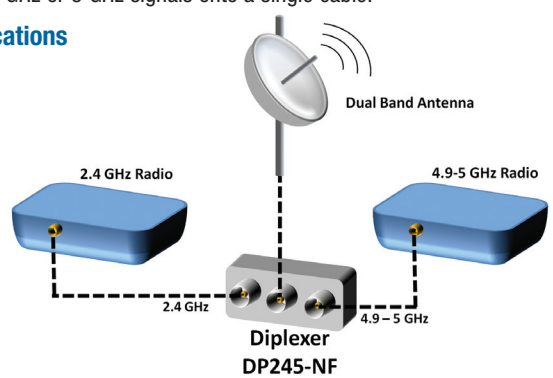
What are RF Diplexers?

An RF Diplexer is a device that combines two signals onto a single transmission line. In general the two signals operate at different frequencies. L-com's Diplexers are designed to split 2.4 GHz and 5 GHz from a single radio feed to separate 2.4 GHz and 5 GHz antennas. Many dual-band 802.11a/b/g radios share a single antenna. These devices split these signals so that two separate 2.4 GHz and 5 GHz antennas can be used to improve performance. In addition, L-com Diplexers can also be used to combine 2.4 GHz or 5 GHz signals onto a single cable.

Typical RF Diplexer Applications



Dual Band Radio Application

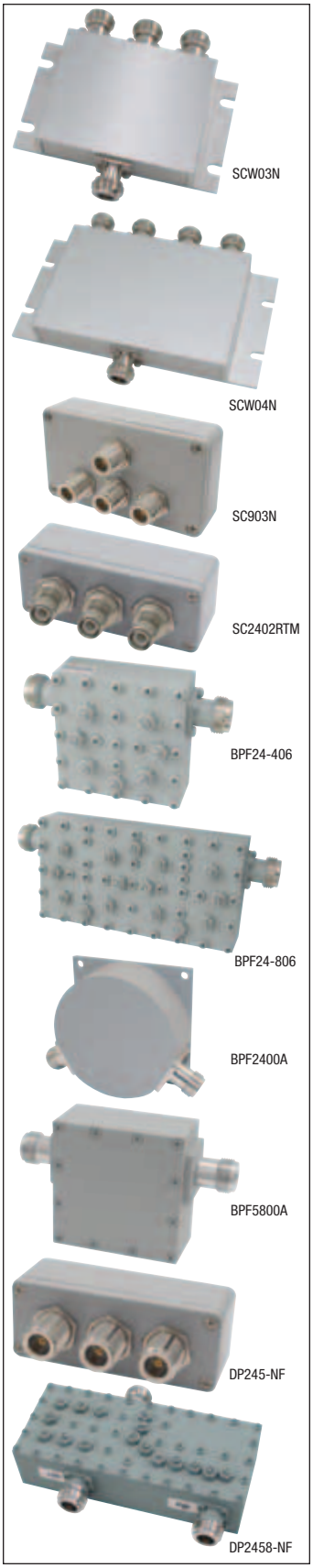


Dual Band Antenna Application

L-com Global Connectivity

Free technical support
Call toll free at 1-800-343-1455
if you have questions about your application.

Item #	Description	1-9	10-24	25-99	100-249	250-499
HyperLink® 800 MHz, 900 MHz, 2.4 GHz, 3.5 GHz and 5.8 GHz Signal Splitters/Signal Combiners						
L-com's signal splitters/signal combiners are used for connecting more than one antenna to a single radio. They feature weatherproof construction and can be installed indoors or outdoors. These flexible splitters can be used with amplified systems since they will pass DC power to all ports.						
800-2600 MHz Broadband Signal Splitters						
SCW02N	2-Way, Type N Female Connectors	39.99	35.99	31.99	27.99	23.99
SCW03N	3-Way, Type N Female Connectors	59.99	53.99	47.99	41.99	35.99
SCW04N	4-Way, Type N Female Connectors	79.99	71.99	63.99	55.99	47.99
900 MHz Signal Splitters						
SC902N	2-Way, Type N Female Connectors	49.99	44.99	39.99	34.99	29.99
SC903N	3-Way, Type N Female Connectors	59.99	53.99	47.99	41.99	35.99
2.4 GHz Signal Splitters						
SC2402N	2-Way, Type N Female Connectors	49.99	44.99	39.99	34.99	29.99
SC2402RTM	2-Way, RP-TNC Jack Connectors	49.99	44.99	39.99	34.99	29.99
SC2403N	3-Way, Type N Female Connectors	59.99	53.99	47.99	41.99	35.99
SC2403RTM	3-Way, RP-TNC Jack Connectors	59.99	53.99	47.99	41.99	35.99
SC2404N	4-Way, Type N Female Connectors	69.99	62.99	55.99	48.99	41.99
SC2404RTM	4-Way, RP-TNC Jack Connectors	69.99	62.99	55.99	48.99	41.99
3.5 GHz Signal Splitters						
SC3502N	2-Way, Type N Female Connectors	39.99	38.39	36.79	35.19	33.59
SC3504N	4-Way, Type N Female Connectors	69.99	67.19	64.39	61.59	58.79
5.8 GHz Signal Splitters						
SC5802N	2-Way, Type N Female Connectors	99.99	89.99	79.99	69.99	59.99
SC5804N	4-Way, Type N Female Connectors	159.99	143.99	127.99	111.99	95.99
900 MHz, 2.4 GHz, 4.9 GHz and 5.8 GHz Ultra High Q WiFi Bandpass Channel Filters						
L-com's 900 MHz, 2.4 GHz, 4.9 GHz, 5.8 GHz 4-Pole and 8-Pole Ultra-High Q WiFi channel filters are ideal for co-located equipment installations. Available in full band versions or fixed channel versions, they provide excellent channel rejection. All filters listed in this section feature N Female connectors.						
900 MHz Indoor and Outdoor Filters						
L-com's 900 MHz 4-Pole ultra-high Q full band filters are designed for full band applications. By reducing interference outside the 915 MHz band such as from cellular and paging signals, improved performance in noisy environments can be achieved.						
BPF900	4-Pole, Indoor, Full Band	99.99	91.99	83.99	75.99	67.99
BPF900A	4-Pole, Outdoor, Full Band	149.99	137.99	125.99	113.99	101.99
2.4 GHz Indoor Filters						
BPF24-401	4-Pole, Indoor, Channel 1	69.99	64.39	58.79	53.19	CALL
BPF24-403	4-Pole, Indoor, Channel 3	69.99	64.39	58.79	53.19	CALL
BPF24-406	4-Pole, Indoor, Channel 6	69.99	64.39	58.79	53.19	CALL
BPF24-409	4-Pole, Indoor, Channel 9	69.99	64.39	58.79	53.19	CALL
BPF24-411	4-Pole, Indoor, Channel 11	69.99	64.39	58.79	53.19	CALL
BPF2400	4-Pole, Indoor, Full Band	99.99	91.99	83.99	75.99	CALL
BPF24-801	8-Pole, Indoor, Channel 1	89.99	82.79	75.59	68.39	CALL
BPF24-803	8-Pole, Indoor, Channel 3	89.99	82.79	75.59	68.39	CALL
BPF24-806	8-Pole, Indoor, Channel 6	89.99	82.79	75.59	68.39	CALL
BPF24-809	8-Pole, Indoor, Channel 9	89.99	82.79	75.59	68.39	CALL
BPF24-811	8-Pole, Indoor, Channel 11	89.99	82.79	75.59	68.39	CALL
BPF24-813	8-Pole, Indoor, Channel 13	89.99	82.79	75.59	68.39	CALL
BPF24-814	8-Pole, Indoor, Channel 14	89.99	82.79	75.59	68.39	CALL
2.4 GHz Outdoor Filters						
BPF2400A	4-Pole, Outdoor, Full Band	149.99	137.99	125.99	113.99	101.99
BPF24-801A	8-Pole, Outdoor, Channel 1	124.99	114.99	104.99	94.99	CALL
BPF24-806A	8-Pole, Outdoor, Channel 6	124.99	114.99	104.99	94.99	CALL
BPF24-809A	8-Pole, Outdoor, Channel 9	124.99	114.99	104.99	94.99	CALL
BPF24-811A	8-Pole, Outdoor, Channel 11	124.99	114.99	104.99	94.99	CALL
BPF24-813A	8-Pole, Outdoor, Channel 13	124.99	114.99	104.99	94.99	CALL
4.9 GHz Indoor/Outdoor Filters						
BPF4900A	4-Pole, Outdoor/Indoor, Full Band	149.99	137.99	125.99	113.99	101.99
5.8 GHz Indoor/Outdoor Filters						
BPF5800A	4-Pole, Outdoor/ Indoor, Full Band	149.99	137.99	125.99	113.99	101.99
2.4/5 GHz Diplexers						
HyperLink® 2.4/5 GHz diplexers are designed to split 2.4 GHz and 5 GHz from a single radio feed to separate 2.4 GHz and 5 GHz antennas. They can also be used to combine those frequencies into a single cable. HyperLink® diplexers are available for indoor and outdoor applications and feature Type N Female connectors.						
DP245-NF	2.4/5.8 GHz, Outdoor, Type N Female Connectors	49.99	44.99	39.99	34.99	CALL
DP2458-NF	2.4/5.8 GHz, Indoor, Type N Female Connectors	139.99	125.99	111.99	97.99	CALL
Accessories						
ANM-TERM1	Type N-Male, 50 Ohm Terminator, 0-6 GHz	7.99	7.67	7.35	6.79	5.99
HGX-PMT14	Splitter Mast Mount Kit, 1-1/4in (3.2cm) to 2in (5.1cm) Diameter	12.99	11.69	10.39	9.09	CALL
HGX-AMOUNT02	Splitter Wall/Enclosure Mounting Kit	9.99	8.99	7.99	6.99	5.99



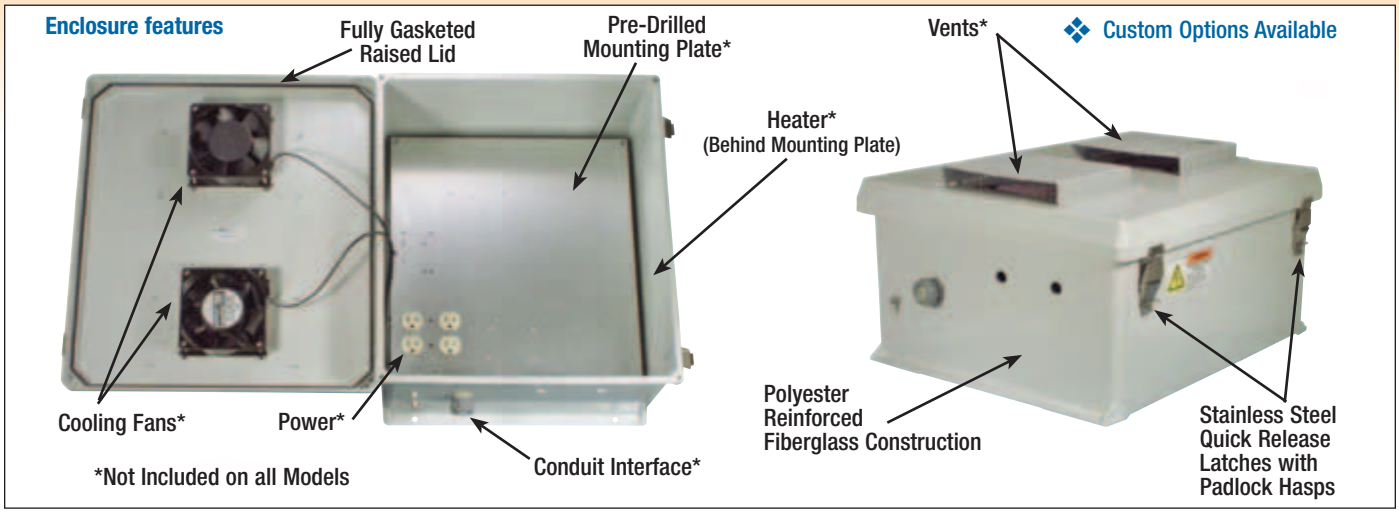
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L-com.com/NewProducts



Weatherproof Industrial Enclosures Tutorial

Ideal for wired and wireless applications

L-com's HyperLink® Weatherproof Industrial Enclosures are ideal for Municipal/State/Federal wired and remote sensor applications (Water Management, Traffic controls, Utility monitoring stations, etc.); secure WLAN WiFi equipment installations; Industrial Data and Control Systems in factories and manufacturing plants; SCADA applications and field installations; indoor and outdoor or hot and cold temperature environments where equipment and critical systems need power, connectivity, protection and security for the system operator. They are also great for solar powered applications, use in corrosive environments, sub-zero installations for monitoring and reporting, hotspot applications and protection of equipment from theft or damage. Available with the widest range of enclosure options including heat, cooling and Power-over-Ethernet interfaces of anyone in the industry. In addition to our standard enclosure products listed below, we can custom manufacture enclosures based on customer requirements for large-scale projects. L-com enclosures offer the quality built, professionally integrated NEMA Enclosures for the systems user with the largest "OFF-THE-SHELF" configured enclosures product offerings of any supplier in the world.



Product Number - Weatherproof Industrial Enclosures

N	B		1	4	1	2	0	7	-	1	H	F	S

- Enclosure Options
- Enclosure Type
- Enclosure Size
- Blank = Fiberglass, E = Economy, P = ABS, S = Steel, W= Window
- Indicates Enclosure Series

Enclosure Size
080604 = 8" H x 6" W x 5" D
100805 = 10" H x 8" W x 5" D
121005 = 12" H x 10" W x 5" D
130906 = 13" H x 9" W x 6" D
141004 = 14" H x 10" W x 4" D
141006 = 14" H x 10" W x 6" D
141206 = 14" H x 12" W x 6" D
141207 = 14" H x 12" W x 7" D
161406 = 16" H x 14" W x 6" D
181608 = 18" H x 16" W x 8" D
201609 = 20" H x 16" W x 9" D
241609 = 24" H x 16" W x 9" D

Enclosure Options
V = Vented
H = Heater
F = Cooling Fan(s)
S = Solid State Heat/Fan Controller
D = Dual Fan
N = Insulated for sub-zero Applications
AF = 802.3AF Compliant
T = Includes Terminal Block
DR = Includes DIN Mounting Rail

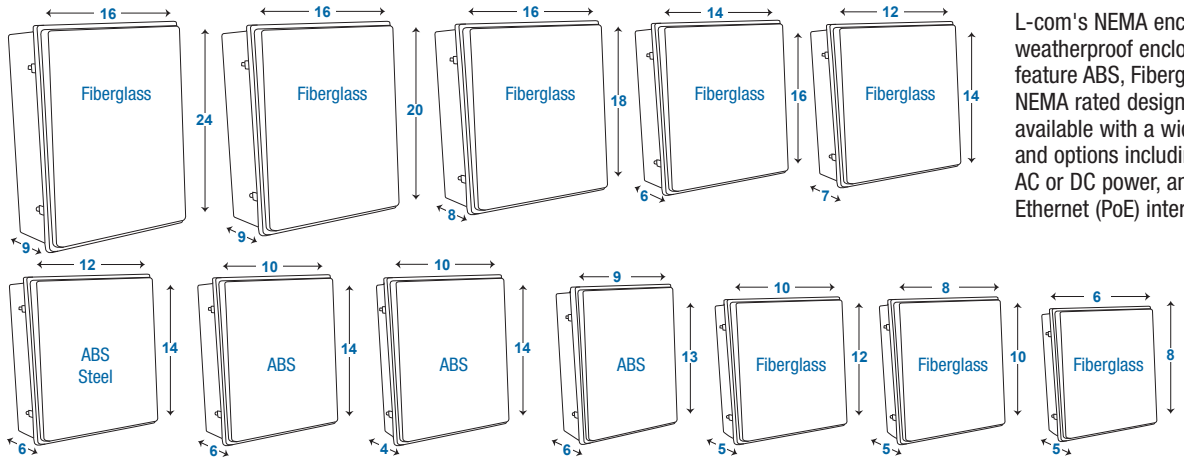
Enclosure Type
0 or no number = Non-Powered
1 = 120 VAC
2 = 240 VAC
4 = Power over Ethernet (PoE)
5 = 12 VDC
E = Universal Power Outlet

Custom Options Available

L-com Global Connectivity

For more useful information go to....
L-com.com/Resources

Weatherproof Industrial Enclosures Tutorial



L-com's NEMA enclosure and weatherproof enclosure products feature ABS, Fiberglass and Steel NEMA rated designs and are available with a wide range of sizes and options including: heat, cooling, AC or DC power, and Power over Ethernet (PoE) interfaces.

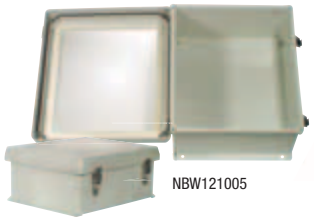
Additional Enclosure Options	
No Suffix	Unmodified Enclosure only
-KIT	Unmodified Enclosure w/Blank Aluminum Mounting Plate
-KIT01	Unmodified Enclosure w/Non-Metallic "Starboard" Mounting Plate
-KIT02	Unmodified Enclosure w/Blank Aluminum Mounting Plate and Installed Front Swing Plate
-01	Modified Enclosure with Blank Modified Plate
-02	Modified Enclosure only
-03V	Modified Vented Enclosure only

Default Temperature Setting	ON	OFF
UL Solid State Fan Controller Temp Range	93ºF / 34ºC	84ºF / 29ºC
UL Model Solid State Heater Controller Temp Range	16ºF / -9ºC	25ºF / -4ºC
PoE & Non-UL Fan only Solid State Fan Controller Temp Range	90ºF / 32ºC	81ºF / 27ºC
Power Saver Model Fan# 2 Solid State Fan Controller Temp Range	100ºF /38ºC	91ºF / 33ºC
Heater only Solid State Heater Controller Temp Range	15ºF / -10ºC	24ºF / -5ºC
Mechanical Fan Thermostat Controller Temp Range	120ºF / 49ºC	90°F / 32°C
Mechanical Heater Thermostat Controller Temp Range	40ºF / 4ºC	60°F / -15°C

NEMA/IEC

NEMA, (National Electrical Manufacturers Association) and the IEC (International Electrotechnical Commission) are two standards groups, which have devised two different rating systems for enclosures, which define the enclosures resistance to dust, moisture, water immersion and ice. The IEC's rating is referred to as the IP or Ingress Protection rating. The table below outlines NEMA and IEC IP enclosure ratings. This chart only works in one direction From NEMA to IEC An IP rating only considers protection against ingress of solid foreign objects and ingress of water.

NEMA enclosure type no.	Enclosure Construction Definitions	IEC enclosure class
1	General-purpose. Protects against dust, light and indirect splashing but is not dust-tight; primarily prevents contact with live parts; used indoors and under normal atmospheric conditions.	IP20
2	Drip-tight. Similar to Type 1 but with addition of drip shields; used where condensation may be severe (as in cooling rooms and laundries).	IP22
3 and 3S	Weather-resistant. Protects against weather hazards such as rain and sleet; used outdoors on ship docks, in construction work and in tunnels and subways.	IP54
3R	Intended for outdoor use. Provides a degree of protection against falling rain and ice formation. Meets rod entry, rain, external icing and rust-resistance design tests.	IP14
4 and 4X	Watertight (weatherproof). Must exclude at least 65 GPM of water from 1-in. nozzle delivered from a distance not less than 10 ft for 5 min. Used outdoors on ship docks, in dairies and in breweries.	IP56
5	Dust-tight. Provided with gaskets or equivalent to exclude dust; used in steel mills and cement plants.	IP52
6 and 6P	Submersible. Design depends on specified conditions of pressure and time; submersible in water; used in quarries, mines and manholes.	IP67
7	Hazardous. For indoor use in Class I, Groups A, B, C and D environments as defined in the NEC.	—
8	Hazardous. For indoor and outdoor use in locations classified as Class I, Groups A, B, C and D as defined in the NEC.	—
9	Hazardous. For indoor and outdoor use in locations classified as Class II, Groups E, F or G as defined in the NEC.	—
10	MSHA. Meets the requirements of the Mine Safety and Health Administration, 30 CFR Part 18 (1978).	—
11	General-purpose. Protects against the corrosive effects of liquids and gases. Meets drip and corrosion-resistance tests.	—
12 and 12K	General-purpose. Intended for indoor use, provides some protection against dust, falling dirt and dripping noncorrosive liquids. Meets drip, dust and rust resistance tests.	IP52
13	General-purpose. Primarily used to provide protection against dust, spraying of water, oil and noncorrosive coolants. Meets oil exclusion and rust resistance design tests.	IP54


NBW121005


NBW141207-KIT

New

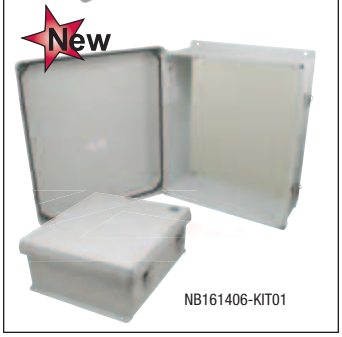

NB161406


NB141207-100-UL

New


NB080604-KIT

New


NB161406-KIT01

Item #	Description	Options / NEMA Rating	1-4	5-9	10-24
NEMA 4X, Windowed Enclosures		V H F D S R N			

These enclosures are designed for use as electrical junction boxes in highly corrosive environments including oil refineries, waste water treatment and marine installations, electroplating plants, agricultural environments and food processing plants. These enclosures are also suitable for both indoor and outdoor applications. The window provides easy visual inspection of interior components. Mounting stand-offs inside the enclosure can be used for mounting plates. Blank mounting plates are available from L-com.

NBW121005	12x10x5", Unmodified Windowed Enclosure, No Mounting Plate		4X	129.98	126.08	122.18
NBW121005-KIT	12x10x5", Unmodified Windowed Enclosure, Blank Aluminum Mounting Plate		4X	144.98	140.63	136.28
NBW121005-KIT01	12x10x5", Unmodified Windowed Enclosure, Blank Non-Metallic Mounting Plate		4X	154.98	150.33	145.68
NBW141207	14x12x7", Unmodified Windowed Enclosure, No Mounting Plate		4X	154.98	150.33	145.68
NBW141207-KIT	14x12x7", Unmodified Windowed Enclosure, Blank Aluminum Mounting Plate		4X	174.98	169.73	164.48
NBW141207-KIT01	14x12x7", Unmodified Windowed Enclosure, Blank Non-Metallic Mounting Plate		4X	184.98	179.43	173.88
NBW141207-000DR	14x12x7", Modified Windowed Enclosure, DIN3 Rail Mounting Brackets		4X	189.98	184.28	178.58
NBW141207-100	14x12x7", Modified Windowed Enclosure, 120 VAC Aluminum Mounting Plate		4X	239.98	232.78	225.58
NBW141207-1H0	14x12x7", Thermostat Heated, Windowed Enclosure, 120 VAC Aluminum Plate	■	4X	259.98	252.18	244.38
NBW181608	18x16x8", Unmodified Windowed Enclosure, No Mounting Plate		4X	234.98	227.93	220.88
NBW181608-KIT	18x16x8", Unmodified Windowed Enclosure, Blank Aluminum Mounting Plate		4X	259.98	252.18	244.38
NBW181608-KIT01	18x16x8", Unmodified Windowed Enclosure, Blank Non-Metallic Mounting Plate		4X	268.98	260.91	252.84
NBW181608-000DR	18x16x8", Modified Windowed Enclosure, DIN3 Rail Mounting Brackets		4X	274.98	266.73	258.48
NBW181608-100	18x16x8", Modified Windowed Enclosure, 120 VAC Aluminum Mounting Plate		4X	327.98	318.14	308.30
NBW181608-1H0	18x16x8", Thermostat Heated, Windowed Enclosure, 120 VAC Aluminum Plate	■	4X	359.98	349.18	338.38

These Non-Powered Industrial Enclosures are approved and listed with UL, meeting the stringent requirements for Communication Enclosure System 40XX. Use this enclosure when UL Listed products are required by the project. These Non-Powered UL Listed Industrial Enclosures are ideal for custom applications, which may require special modifications to the enclosure. Mounting stand-offs inside the enclosure can be used for mounting plates. Blank mounting plates are available from L-com.

NB080604	8x6x4", Unmodified Enclosure, No Mounting Plate	4X	74.99	72.74	70.49
NB100805	10x8x5", Unmodified Enclosure, No Mounting Plate	4X	79.99	77.59	75.19
NB121005	12x10x5", Unmodified Enclosure, No Mounting Plate	4X	84.99	82.44	79.89
NB141207	14x12x7", Unmodified Enclosure, No Mounting Plate	4X	94.98	92.13	89.28
NB141207-01-UL	14x12x7", Modified Enclosure, Aluminum Mounting Plate	4X	179.98	174.58	169.18
NB161406	16x14x6", Unmodified Enclosure, No Mounting Plate	4X	144.99	140.64	136.29
NB181608	18x16x8", Unmodified Enclosure, No Mounting Plate	4X	164.98	160.03	155.08
UL Listed AC Powered Enclosures		V H F D S R N			

L-com's UL Listed, 120 VAC powered, NEMA weatherproof rated industrial enclosures offer 120 Volt AC power to accommodate access points, routers, and other communications equipment that require 120 Volt AC power. Options include vented doors, fans, and heaters for addressing extreme environmental conditions. These UL Listed enclosures can be used in food processing, petrochemical, industrial environment, sewage processing and communication applications.

NB141207-100-UL	14x12x7", Modified Enclosure, 120 VAC Aluminum Mounting Plate		3R	269.99	259.19	248.39
NB141207-100T-UL	14x12x7", Modified Enclosure, 120 VAC Terminal, Aluminum Plate		3R	189.98	184.28	178.58
NB141207-10FS-UL	14x12x7", Solid State Cooled Enclosure, 120 VAC Aluminum Plate	■ ■ ■	3R	279.98	271.58	263.18
NB141207-1HFS-UL	14x12x7", Solid State Heated/Cooled, 120 VAC Aluminum Plate	■ ■ ■	3R	314.98	305.53	296.08
Non-Powered Industrial Enclosures		V H F D S R N				

L-com's non-powered NEMA rated enclosures are perfect for housing both wired and wireless communications equipment. These robust, weatherproof enclosures feature sealed, gasketed raised lids and quick release lockable latches.

NB080604-KIT	8x6x4", Unmodified Enclosure, Blank Aluminum Mounting Plate		4X	95.00	92.15	89.30
NB080604-KIT01	8x6x4", Unmodified Enclosure, Blank Non-Metallic Mounting Plate		4X	95.00	92.15	89.30
NB100805-KIT	10x8x5", Unmodified Enclosure, Blank Aluminum Mounting Plate		4X	105.00	101.85	98.70
NB100805-KIT01	10x8x5", Unmodified Enclosure, Blank Non-Metallic Mounting Plate		4X	105.00	101.85	98.70
NB121005-KIT	12x10x5", Unmodified Enclosure, Blank Aluminum Mounting Plate		4X	100.00	97.00	94.00
NB121005-KIT01	12x10x5", Unmodified Enclosure, Blank Non-Metallic Mounting Plate		4X	110.00	106.70	103.40
NBE130906-KIT01	13x9x6", Unmodified Box, Plastic Universal Hole Matrix Mounting Plate		3R	29.99	29.09	28.19
NBE141006	14x10x6", Unmodified Enclosure, No Mounting Plate		3R	36.99	35.88	34.77
NBE141006-KIT	14x10x6", Unmodified Enclosure, Blank Aluminum Mounting Plate		3R	51.98	50.42	48.86
NBE141006-KIT01	14x10x6", Unmodified Enclosure, Blank Non-Metallic Mounting Plate		3R	61.98	60.12	58.26
NBS141206	14x12x6", Unmodified Enclosure, No Mounting Plate		3R	185.00	179.45	173.90
NB141207-00V	14x12x7", Modified Vented Enclosure, Aluminum Mounting Plate	■	3R	144.98	140.63	136.28
NB141207-01	14x12x7", Modified Enclosure, Aluminum Mounting Plate		3R	129.98	126.08	122.18
NB141207-02	14x12x7", Modified Enclosure, No Mounting Plate		3R	104.98	101.83	98.68
NB141207-03V	14x12x7", Modified Vented Enclosure, No Mounting Plate	■	3R	119.98	116.38	112.78
NB141207-KIT	14x12x7", Modified Enclosure, Aluminum Mounting Plate		3R	115.00	111.55	108.10
NB141207-KIT01	14x12x7", Unmodified Enclosure, Blank Non-Metallic Mounting Plate		3R	115.00	111.55	108.10
NB161406-KIT	16x14x6", Unmodified Enclosure, Blank Aluminum Mounting Plate		4X	175.00	169.75	164.50
NB161406-KIT01	16x14x6", Unmodified Enclosure, Blank Non-Metallic Mounting Plate		4X	175.00	169.75	164.50
NB181608-00V	18x16x8", Modified Vented Enclosure, Aluminum Mounting Plate	■	3R	219.98	213.38	206.78
NB181608-01	18x16x8", Modified Enclosure, Aluminum Mounting Plate		3R	199.98	193.98	187.98
NB181608-02	18x16x8", Modified Enclosure, No Mounting Plate		3R	174.98	169.73	164.48
NB181608-03V	18x16x8", Modified Vented Enclosure, No Mounting Plate	■	3R	189.98	184.28	178.58
NB181608-KIT	18x16x8", Unmodified Enclosure, Blank Aluminum Mounting Plate		3R	190.00	184.30	178.60
NB181608-KIT01	18x16x8", Unmodified Enclosure, Blank Non-Metallic Mounting Plate		3R	195.00	189.15	183.30
NB201609	20x16x9", Unmodified Enclosure, No Mounting Plate		4X	450.00	436.50	423.00
NB201609-KIT	20x16x9", Unmodified Enclosure, Blank Aluminum Mounting Plate		4X	490.00	475.30	460.60
NB201609-KIT01	20x16x9", Unmodified Enclosure, Blank Non-Metallic Mounting Plate		4X	490.00	475.30	460.60
NB241609	24x16x9", Unmodified Enclosure, No Mounting Plate		4X	500.00	485.00	470.00
NB241609-KIT	24x16x9", Unmodified Enclosure, Blank Aluminum Mounting Plate		4X	550.00	533.50	517.00
NB241609-KIT01	24x16x9", Unmodified Enclosure, Blank Non-Metallic Mounting Plate		4X	550.00	533.50	517.00
NB241609-KIT02	24x16x9", Unmodified, Blank Non-Metallic Mounting Plate, Front Swing Plate		4X	900.00	873.00	846.00

Enclosure Options

V = Vented ■ H = Heater ■ F = Cooling Fan(s) ■ D = Dual Fan ▲
S = Solid State Heat/Fan Controller ■ N = Insulated for Sub-zero Applications ❄

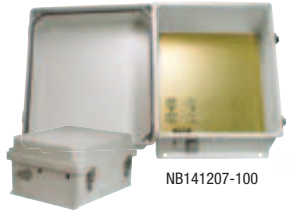
L-com® Global Connectivity

Item #	Description	Options / NEMA Rating	1-4	5-9	10-24
120 VAC Powered Industrial Enclosures		V H F D S R N			
L-com's 120 VAC NEMA rated enclosures offer 120 Volt AC power to accommodate access points, routers, and other communications equipment that require 120 Volt AC power. Enclosure sizes are available in 14 x 10 x 4", 14 x 10 x 6", 14 x 12 x 6", 14 x 12 x 7" and 18 x 16 x 8".					
NBP141004-100	14x10x4", Plain Box w/Velcro Pad, Duplex 120 VAC Outlet	3R	48.99	48.50	48.01
NBP141004-100-4	14x10x4", Plain Box w/Velcro Pad, Duplex 120 VAC Outlet, 4 Pack	4X	159.99	158.39	156.79
NBE141006-100	14x10x6", Modified Enclosure, 120 VAC Aluminum Mounting Plate	4X	109.99	106.69	103.39
NBS141206-100	14x12x6", Modified Enclosure, 120 VAC Aluminum Mounting Plate	4X	275.00	266.75	258.50
NB141207-100	14x12x7", Modified Enclosure, 120 VAC Aluminum Mounting Plate	4X	179.98	174.58	169.18
NB141207-100T	14x12x7", Modified Enclosure, 120 VAC Terminal, Aluminum Plate	4X	139.98	135.78	131.58
NB181608-100	18x16x8", Modified Enclosure, 120 VAC Aluminum Mounting Plate	4X	253.98	246.36	238.74
240 VAC Powered Industrial Enclosures		V H F D S R N			
The Enclosure is a rugged weatherproof design that is ideal for both indoor and outdoor applications. Specially designed for 240 Volt applications, L-com's NEMA enclosures are perfect for use with 240 Volt communications and control equipment. Options include vented doors, fans and heaters for addressing extreme environmental conditions. They are well suited for high temperatures or corrosive environments. The integral mounting flange allows mounting on any flat surface. When used with it's optional mounting brackets, the unit can mount to a pole or column.					
NB141207-20F	14x12x7", Thermostat Cooled,240 VAC Terminal, Aluminum Plate	3R	189.98	184.28	178.58
NB141207-2H0	14x12x7", Thermostat Heated, 240 VAC Terminal, Aluminum Plate	4X	197.98	192.04	186.10
NB141207-2HF	14x12x7", Thermostat Heated/Cooled 2 Fans, 240 VAC Terminal, Aluminum Plate	3R	214.98	208.53	202.08
NB181608-20F	18x16x8", Thermostat Cooled 2 Fans, 240 VAC Terminal Aluminum Plate	3R	294.98	286.13	277.28
NB181608-2H0	18x16x8", Thermostat Heated, 240 VAC Terminal, Aluminum Plate	4X	254.98	247.33	239.68
NB181608-2HF	18x16x8", Thermostat Heated/Cooled 2 Fans, 240 VAC Terminal, Aluminum Plate	3R	336.98	326.87	316.76
Universal AC Powered Industrial Enclosures		V H F D S R N			
Specially designed for North American and European 100-250 Volt applications, L-com's NEMA enclosures are perfect for use with 100-240 Volt communications and control equipment. Options include universal duplex sockets, vented doors, fans and heaters for addressing extreme environmental conditions.					
NBP141004-E00	14x10x4", Plain Box w/Velcro Pad, 120-240 VAC, 2 Universal Outlets	4X	59.99	58.19	56.39
NBP141004-E00-4	14x10x4", Plain Box w/Velcro Pad, 120-240 VAC, 2 Universal Outlets, 4-Pack	4X	189.99	184.29	CALL
NBP141004-E0F	14x10x4", Vented Fan Box w/Velcro Pad, 200-240 VAC, 2 Universal Outlets	3R	104.99	101.84	98.69
NBP141004-E0FW	14x10x4", Rain Shield Fan Box w/Velcro Pad, 200-240 VAC, 2 Universal Outlets	3R	119.99	116.39	112.79
NBP141004-E0V	14x10x4", Vented Box w/Velcro Pad, 120-240 VAC, 2 Universal Outlets	3R	84.99	82.44	79.89
NBP141004-E0VW	14x10x4", Rain Shield Vented Box, Velcro Pad, 120-240 VAC, 2 Universal Outlets	3R	109.99	106.69	103.39
NB141207-E00	14x12x7", Modified Enclosure, Duplex 120-240 VAC Universal Outlet, Aluminum Plate	4X	189.98	184.28	178.58
NB141207-E0F	14x12x7", Thermostat Cooled, Duplex 200-240 VAC Universal Outlet, Aluminum Plate	3R	214.98	208.53	202.08
NB141207-E0V	14x12x7", Vented Enclosure, Duplex 120-240 VAC Universal Outlet, Aluminum Plate	3R	207.98	201.74	195.50
NB141207-EH0	14x12x7", Thermostat Heated Enclosure, Duplex 200-240 VAC Universal Outlet, Aluminum Plate	4X	209.98	203.68	197.38
NB141207-EHF	14x12x7", Thermostat Heated/Cooled, Duplex 200-240 VAC Universal Outlet, Aluminum Plate	3R	234.98	227.93	220.88
NB181608-E00	18x16x8", Modified Enclosure, Duplex 120-240 VAC Universal Outlet, Aluminum Plate	4X	263.98	256.06	248.14
NB181608-E0F	18x16x8", Thermostat Cooled 2 Fans, Duplex 200-240 VAC Universal Outlet, Aluminum Plate	3R	344.98	334.63	324.28
NB181608-E0V	18x16x8", Vented Enclosure, Duplex 120-240 VAC Universal Outlet, Aluminum Plate	3R	283.98	275.46	266.94
NB181608-EH0	18x16x8", Thermostat Heated, Duplex 200-240 VAC Universal Outlet, Aluminum Plate	3R	299.98	290.98	281.98
NB181608-EHF	18x16x8", Therm Heated/Cooled 2 Fans, Duplex 200-240 VAC Universal Outlet, Aluminum Plate	3R	378.98	367.61	356.24
12 VDC Powered Industrial Enclosures		V H F D S R N			
L-com's DC Voltage NEMA enclosures feature pre-drilled mounting plates. These enclosures can be used with equipment such as alarms, solar panels and other control and sensor equipment. The integral mounting flange allows mounting on any flat surface. When used with optional mounting brackets, the unit can mount to a pole or column.					
NB141207-500	14x12x7", Modified Enclosure 12V DC Terminal, Aluminum Plate	4X	139.98	135.78	131.58
NB141207-50F	14x12x7", Thermostat Cooled, 12V DC Terminal, Aluminum Plate	3R	194.98	189.13	183.28
NB141207-50V	14x12x7", Vented Enclosure, 12V DC Terminal, Aluminum Plate	3R	154.98	150.33	145.68
NB181608-500	18x16x8", Modified Enclosure 12V DC Terminal, Aluminum Plate	4X	224.98	218.23	211.48
NB181608-50F	18x16x8", Thermostat Cooled, 2 Fans 12V DC Terminal, Aluminum Plate	3R	284.98	276.43	267.88
NB181608-50V	18x16x8", Vented Enclosure, 12V DC Terminal, Aluminum Plate	3R	234.98	227.93	220.88

Best Seller



NBP141004-100



NB141207-100



NB141207-2HF

Best Seller



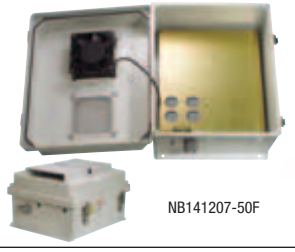
NBP141004-E00



NBP141004-E0VW



NB141207-EHF

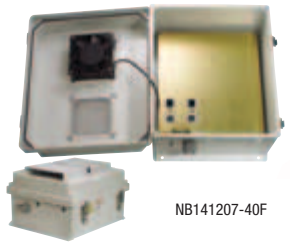


NB141207-50F

Enclosure Options

V = Vented ■ H = Heater ■ F = Cooling Fan(s) ■ D = Dual Fan ▲
S = Solid State Heat/Fan Controller ■ N = Insulated for Sub-zero Applications ❄

L-com® Global Connectivity

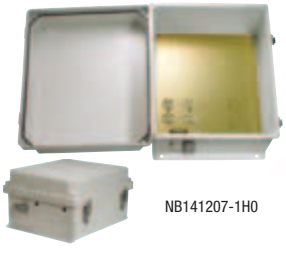

NB141207-40F


NB181608-40FAF


NB141207-00VDR


NBP141004-10F


NB141207-10FSD


NB141207-1H0

Item #	Description	Options / NEMA Rating	1-4	5-9	10-24

PoE Powered Industrial Enclosures

V H F D S R N

L-com offers both NEMA 3R and 4X rated weatherproof enclosures with integrated PoE interfaces. These enclosures are perfect for use in Industrial, Government and Communications providers using wireless radios, electronics, control systems and other communications equipment which support PoE applications.

NBP141004-40F	14x10x4", Vented Fan Box w/Velcro Pad, PoE Interface	■ ■ 3R	129.99	126.09	122.19
NBP141004-40FW	14x10x4", Rain Shield Fan Box w/Velcro Pad, PoE Interface	■ ■ 3R	139.99	135.79	131.59
NBP141004-40V	14x10x4", Vented Box w/Velcro Pad, PoE Interface	■ 3R	79.99	77.59	75.19
NBP141004-40VW	14x10x4", Rain Shield Vented Box w/Velcro Pad, PoE Interface	■ 3R	94.99	92.14	89.29
NB141207-400	14x12x7", Modified Enclosure, 802.3af Interface, Aluminum Plate	4X	174.98	169.73	164.48
NB141207-40F	14x12x7", Thermostat Cooled Enclosure, PoE Interface, Aluminum Plate	■ ■ 3R	199.98	193.98	187.98
NB141207-40FS	14x12x7", Solid State Cooled Enclosure, PoE Interface, Aluminum Plate	■ ■ ■ 3R	224.98	218.23	211.48
NB141207-40V	14x12x7", Vented Enclosure, 802.3af Interface, Aluminum Plate	■ 3R	192.98	187.19	181.40
NB141207-40FAF	14x12x7", Thermostat Cooled, 802.3af Interface, Aluminum Plate	■ ■ 3R	209.98	203.68	197.38
NB141207-40FSAF	14x12x7", Solid State Cooled, 802.3af Interface, Aluminum Plate	■ ■ ■ 3R	234.98	227.93	220.88
NB141207-4H0N	14x12x7", Sub-zero Insulated, Thermostat Heated, 48VDC PoE, Aluminum Plate	■ 4X ❄	299.99	290.99	281.99
NB181608-400	18x16x8", Modified Enclosure, 802.3af Interface, Aluminum Plate	4X	248.98	241.51	234.04
NB181608-40F	18x16x8", Thermostat Cooled 2 Fans, PoE Interface, Aluminum Plate	■ ▲ 3R	289.98	281.28	272.58
NB181608-40FS	18x16x8", Solid State Cooled 2 Fans, PoE Interface, Aluminum Plate	■ ▲ ■ 3R	314.98	305.53	296.08
NB181608-40V	18x16x8", Vented Enclosure, 802.3af Interface, Aluminum Plate	■ 3R	268.98	260.91	252.84
NB181608-40FAF	18x16x8", Thermostat Cooled 2 Fans, 802.3af Interface, Aluminum Plate	■ ▲ 3R	299.98	290.98	281.98
NB181608-40FSAF	18x16x8", Solid State Cooled 2 Fans, 802.3af Interface, Aluminum Plate	■ ▲ ■ 3R	324.98	315.23	305.48

DIN Rail Industrial Enclosures

V H F D S R N

L-com's DIN Rail enclosures offer aluminum mounting rails inside the enclosure where DIN3 Rails like the DIN35-NB14 & DIN35-NB18 (sold separately) (page 31) can be installed. These enclosures can be used to house many of L-com's DIN Rail mount products such as Ethernet Switches, Industrial Serial Converters, power supplies and more. The HGX-PMT13 Pole Mounting Kit allows the populated enclosure to be securely mounted on poles.

NB141207-000DR	14x12x7", Modified Enclosure, DIN3 Rail Mounting Brackets	4X	129.98	126.08	122.18
NBW141207-000DR	14x12x7", Modified Windowed Enclosure, DIN3 Rail Mounting Brackets	4X	189.98	184.28	178.58
NB141207-00VDR	14x12x7", Modified Vented Enclosure, DIN3 Rail Mounting Brackets	■ 3R	144.98	140.63	136.28
NB181608-000DR	18x16x8", Modified Enclosure, DIN3 Rail Mounting Brackets	4X	204.98	198.83	192.68
NBW181608-000DR	18x16x8", Modified Windowed Enclosure, DIN3 Rail Mounting Brackets	4X	274.98	266.73	258.48
NB181608-00VDR	18x16x8", Modified Vented Enclosure, DIN3 Rail Mounting Brackets	■ 3R	219.98	213.38	206.78

Cooled Industrial Enclosures

V H F D S R N

NBP141004-10F	14x10x4", Vented Fan Box w/Velcro Pad, Duplex 120 VAC Outlet	■ ■ 3R	99.99	96.99	93.99
NBP141004-10FW	14x10x4", Rain Shield Fan Box w/Velcro Pad, Duplex 120 VAC Outlet	■ ■ 3R	109.99	106.69	103.39
NBP141004-40F	14x10x4", Vented Fan Box w/Velcro Pad, PoE Interface	■ ■ 3R	129.99	126.09	122.19
NBP141004-40FW	14x10x4", Rain Shield Fan Box w/Velcro Pad, PoE Interface	■ ■ 3R	139.99	135.79	131.59
NBP141004-E0F	14x10x4", Vented Fan Box w/Velcro Pad, 200-240 VAC, 2 Universal Outlets	■ ■ 3R	104.99	101.84	98.69
NBP141004-E0FW	14x10x4", Rain Shield Fan Box w/Velcro Pad, 200-240 VAC, 2 Universal Outlets	■ ■ 3R	119.99	116.39	112.79
NBE141006-10F	14x10x6", Thermostat Cooled,120 VAC Aluminum Mounting Plate	■ ■ 3R	147.98	143.54	139.10
NB141207-10F	14x12x7", Thermostat Cooled,120 VAC Aluminum Mounting Plate	■ ■ 3R	204.98	198.83	192.68
NB141207-10FS	14x12x7", Solid State Cooled,120 VAC Aluminum Mounting Plate	■ ■ ■ 3R	229.98	223.08	216.18
NB141207-10FSD	14x12x7", Solid State Cooled 2 Fans,120 VAC Aluminum Plate	■ ▲ ■ 3R	239.98	232.78	225.58
NB141207-10FS-UL	14x12x7", UL Solid State Cooled,120 VAC Aluminum Mounting Plate	■ ■ ■ 3R	279.98	271.58	263.18
NB141207-20F	14x12x7", Thermostat Cooled,240 VAC Terminal Aluminum Plate	■ ■ 3R	189.98	184.28	178.58
NB141207-40F	14x12x7", Thermostat Cooled Enclosure, PoE Interface, Aluminum Plate	■ ■ 3R	199.98	193.98	187.98
NB141207-40FAF	14x12x7", Thermostat Cooled, 802.3af Interface, Aluminum Plate	■ ■ 3R	209.98	203.68	197.38
NB141207-40FSAF	14x12x7", Solid State Cooled, 802.3af Interface, Aluminum Plate	■ ■ ■ 3R	234.98	227.93	220.88
NB141207-E0F	14x12x7", Thermostat Cooled, Duplex 200-240 VAC Universal Outlet, Aluminum Plate	■ ■ 3R	214.98	208.53	202.08
NB181608-10F	18x16x8", Thermostat Cooled 2 Fans,120 VAC Aluminum Plate	■ ▲ 3R	298.00	289.06	280.12
NB181608-10FS	18x16x8", Solid State Cooled 2 Fans,120 VAC Aluminum Plate	■ ▲ ■ 3R	319.98	310.38	300.78
NB181608-10FSX	18x16x8", Solid State Cooled 2 Fans Controls,120 VAC Aluminum Plate	■ ▲ ■ 3R	329.98	320.08	310.18
NB181608-20F	18x16x8", Thermostat Cooled 2 Fans, 240 VAC Terminal Aluminum Plate	■ ▲ 3R	294.98	286.13	277.28
NB181608-40F	18x16x8", Thermostat Cooled 2 Fans, PoE Interface, Aluminum Plate	■ ▲ 3R	289.98	281.28	272.58
NB181608-40FS	18x16x8", Solid State Cooled 2 Fans, PoE Interface, Aluminum Plate	■ ▲ ■ 3R	314.98	305.53	296.08
NB181608-40FAF	18x16x8", Thermostat Cooled 2 Fans, 802.3af Interface, Aluminum Plate	■ ▲ 3R	299.98	290.98	281.98
NB181608-40FSAF	18x16x8", Solid State Cooled 2 Fans, 802.3af Interface, Aluminum Plate	■ ▲ ■ 3R	324.98	315.23	305.48
NB181608-E0F	18x16x8", Thermostat Cooled 2 Fans, Duplex 200-240 VAC Universal Outlet, Aluminum Plate	■ ▲ 3R	344.98	334.63	324.28

Heated Industrial Enclosures

V H F D S R N

NBS141206-1H0	14x12x6", Thermostat Heated Steel Enclosure, 120 VAC Aluminum Plate	■ 4X	325.00	315.25	305.50
NB141207-1H0	14x12x7", Thermostat Heated Enclosure, 120 VAC Aluminum Plate	■ 4X	199.98	193.98	187.98
NB141207-1H0S	14x12x7", Solid State Heated Enclosure, 120 VAC Aluminum Plate	■ ■ 4X	224.98	218.23	211.48
NB141207-2H0	14x12x7", Thermostat Heated, 240 VAC Terminal Aluminum Plate	■ 4X	197.98	192.04	186.10
NB141207-4H0N	14x12x7", Sub-zero Insulated, Thermostat Heated, 48VDC PoE, Aluminum Plate	■ 4X ❄	299.99	290.99	281.99
NB141207-EH0	14x12x7", Thermostat Heated Enclosure, Duplex 200-240 VAC Universal Outlet, Aluminum Plate	■ 4X	209.98	203.68	197.38
NB181608-1H0	18x16x8", Thermostat Heated Enclosure, 120 VAC Aluminum Plate	■ 4X	289.98	281.28	272.58
NB181608-1H0S	18x16x8", Solid State Heated Enclosure, 120 VAC Aluminum Plate	■ ■ 4X	314.98	305.53	296.08
NB181608-2H0	18x16x8", Thermostat Heated, 240 VAC Terminal Aluminum Plate	■ 4X	254.98	247.33	239.68
NB181608-EH0	18x16x8", Thermostat Heated, Duplex 200-240 VAC Universal Outlet, Aluminum Plate	■ 3R	299.98	290.98	281.98
NB181608-EHF	18x16x8", Therm Heated/Cooled 2 Fans, Duplex 200-240 VAC Universal Outlet, Aluminum Plate	■ ■ ▲ 3R	378.98	367.61	356.24

Enclosure Options

V = Vented ■ H = Heater ■ F = Cooling Fan(s) ■ D = Dual Fan ▲
S = Solid State Heat/Fan Controller ■ N = Insulated for Sub-zero Applications ❄

L-com Global Connectivity

Item #	Description	Options / NEMA Rating	1-4	5-9	10-24
Cooled & Heated Industrial Enclosures		V H F D S R N			
NB141207-1HF	14x12x7", Thermostat Heated/Cooled, 120 VAC Aluminum Plate	3R	224.98	218.23	211.48
NB141207-1HFS	14x12x7", Solid State Heated/Cooled, 120 VAC Aluminum Plate	3R	264.98	257.03	249.08
NB141207-1HFS-UL	14x12x7", UL Solid State Heated/Cooled, 120 VAC Aluminum Plate	3R	314.98	305.53	296.08
NB141207-2HF	14x12x7", Thermostat Heated/Cooled 2 Fans, 240 VAC Terminal Aluminum Plate	3R	214.98	208.53	202.08
NB181608-2HF	18x16x8", Thermostat Heated/Cooled 2 Fans, 240 VAC Terminal Aluminum Plate	3R	336.98	326.87	316.76
NB181608-1HF	18x16x8", Thermostat Heated/Cooled 2 Fans, 120 VAC Aluminum Plate	3R	339.98	329.78	319.58
NB181608-1HFS	18x16x8", Solid State Heated/Cooled 2 Fans, 120 VAC Aluminum Plate	3R	379.98	368.58	357.18
NID (Network Interface Device) Enclosures		V H F D S R N			
NID331-11	3x3x1", Small NID Enclosure	3	6.99	6.43	5.87

L-com's NID enclosures offer mounting options inside the enclosure where a NID can be mounted. These enclosures can be used with interface products such as Ethernet connections and junctions, wireless connections, switches, terminal blocks and fiber optic connections.

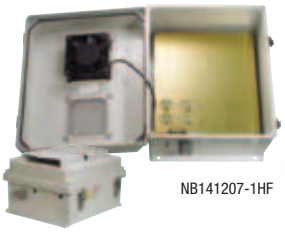
Item #	Description	1-4	5-9	10-24	25-99	100-249
Enclosure Mounting Plates and Mounting Brackets for Amplifiers, Enclosures and Surge Protectors						
HGX-AMOUNT02	Mounting bracket for HyperLink® Amplifiers, PoE Products, Power Supplies	9.99	8.99	7.99	6.99	5.99
HGX-LPMOUNT01	ALQ2-NMNFB Surge Protector Mounting Bracket	4.99	4.49	3.99	3.49	2.99
HGX-MMOUNT01	Ratchet Style Marine Antenna Mount	12.99	11.95	10.91	9.87	8.83
HGX-NMOUNT03	Universal Equipment Shelf, Mounts to Pre-drilled NEMA Plate	16.99	15.29	13.59	11.89	CALL
HGX-NMOUNT04	Universal Equipment Shelf, Mounts to Pre-drilled NEMA Plate	27.99	25.19	22.39	19.59	CALL
HGX-NPLATE01	Blank Aluminum Mounting Plate, for NB141207 Series Enclosure	20.00	19.40	18.80	18.20	CALL
HGX-NPLATE08	Blank Non-Metallic Mounting Plate for NB141207 Series Enclosure	20.00	19.40	18.80	18.20	CALL
HGX-NPLATE09	Blank Non-Metallic Mounting Plate for NB181608 Series Enclosure	30.00	29.10	28.20	27.30	CALL
HGX-NPLATE14	Blank Aluminum Mounting Plate for NB241609 Series Enclosure	60.00	58.20	56.40	54.60	CALL
HGX-NPLATE15	Blank Non-Metallic Mounting Plate for NB2401609 Series Enclosure	60.00	58.20	56.40	54.60	CALL
HGX-NPLATE16	Blank Aluminum Mounting Plate for NB201609 Series Enclosure	50.00	48.50	47.00	45.50	CALL
HGX-NPLATE17	Blank Non-Metallic Mounting Plate for NB201609 Series Enclosure	50.00	48.50	47.00	45.50	CALL
HGX-NPLATE20	Blank Aluminum Mounting Plate for NBE141006/NB121005 Series Enclosure	14.98	14.53	14.08	13.63	CALL
HGX-NPLATE21	Blank Non-Metallic Mounting Plate for NBE141006/NB121005 Series Enclosure	24.98	24.23	23.48	22.73	CALL
HGX-NPLATE22	Blank Aluminum Mounting Plate for NB080604 Series Enclosure	20.00	19.40	18.80	18.20	CALL
HGX-NPLATE23	Blank Non-Metallic Mounting Plate for NB080604 Series Enclosure	20.00	19.40	18.80	18.20	CALL
HGX-NPLATE24	Blank Aluminum Mounting Plate for NB100805 Series Enclosure	23.00	22.31	21.62	20.93	CALL
HGX-NPLATE25	Blank Non-Metallic Mounting Plate for NB100805 Series Enclosure	23.00	22.31	21.62	20.93	CALL
HGX-NPLATE26	Blank Aluminum Mounting Plate for NB161406 Series Enclosure	27.00	26.19	25.38	24.57	CALL
HGX-NPLATE27	Blank Non-Metallic Mounting Plate for NB161406 Series Enclosure	27.00	26.19	25.38	24.57	CALL
Universal Pole Mounting Kits (See Website for more Mounting and Accessory Options)						
HGX-PMT13	Universal Pole Mounting Kit, 2" to 4" Diameter Poles	39.99	35.99	31.99	27.99	CALL
HGX-PMT16	Universal Pole Mounting Kit, 1.25" to 2" Diameter Poles	37.99	34.19	30.39	26.59	CALL
HGX-PMT17	Universal Pole Mounting Kit NBP141004, 3" to 12" Diameter Poles	35.99	33.83	31.67	29.51	27.35
DIN-35-NB14	35mm DIN Rail for NB14 Enclosures	1.98	1.86	1.74	1.62	1.50
DIN-35-NB18	35mm DIN Rail for NB18 Enclosures	2.48	2.33	2.18	2.03	1.88

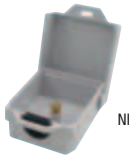
The HGX-PMT13 is used to mount NB141207 or NB181608 series weatherproof enclosures from 2" to 4" diameter poles. For larger diameter poles, slots are provided in the rails for .5" wide worm drive clamps. Use the HGX-PMT16 for 1.25" to 2" diameter poles.

PoE Enclosure Accessory

L-com's 12-Port Rack Mount DC Injector is used to supply heating system power to multiple NB141207-4H0N Series Sub-zero Heated Enclosures. The BT-CAT5-NB12 and NB141207-4H0N enclosure uses a proprietary wiring pin out. The RJ45 connectors on the BT-CAT5-NB12 enclosure or the NB141207-4H0N should never be connected to any other manufacturers equipment.

BT-CAT5-NB12	12-Port Rack Mount DC Injector for NB141207-4H0N Series Enclosures	1700.00	1530.00	1360.00	1190.00	CALL


NB141207-1HF


NID331-11

HGX-AMOUNT02
shown with 4-way splitter
(not included)



HGX-NMOUNT03
Universal Equipment Shelf - (AirStation not included)



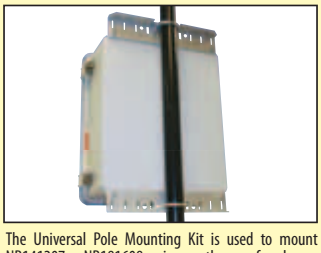
HGX-PMT16

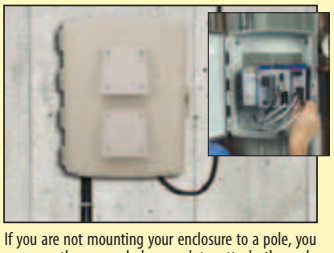


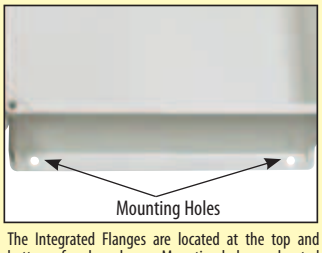

BT-CAT5-NB12

Tip ***Options for mounting your L-com weatherproof industrial enclosures***

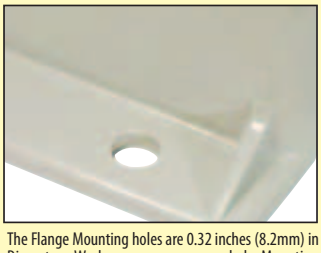
L-com carries several Pole Mounting kits that can be used to mount your enclosure. Our Universal Pole Mounting Kits accommodate various pole sizes ranging from 1-1/4" to 8". Many of our enclosures come with a built in flange that allows them to be directly mounted to a wall with the appropriate screws for the material you would be mounting to.


The Universal Pole Mounting Kit is used to mount NB141207 or NB181608 series weatherproof enclosure to 1.25" (31.7mm) to 2" (50.8mm) dia. poles. For larger diameter poles, slots are provided in the rails for .5" (12.7mm) wide worm drive clamps.


If you are not mounting your enclosure to a pole, you can use the same holes used to attach the pole mounting kit. To mount the enclosure directly to any wall surface, make sure to use hardware consistent with the wall material you will be mounting to.



The Integrated Flanges are located at the top and bottom of each enclosure. Mounting holes are located at the 4 corners of the flanges.


The Flange Mounting holes are 0.32 inches (8.2mm) in Diameter. Washers are recommended. Mounting screws/bolts not provided with the enclosure.

For complete listings and accessories available for NEMA Enclosures
Visit us at L-com.com/NEMA

L-com® Global Connectivity



Lightning / Surge Protectors Tutorial

What are Lightning and Surge Protectors?

Lightning and surge protectors are devices whose purpose is to eliminate transients on a conductor which are induced by nearby lightning activity. They are used to prevent damage to valuable electronic equipment from these high-voltage surges and spikes.

How are Lightning and Surge Protectors used?

A lightning and surge protector is used inline between devices such as antennas and amplifiers and radios or between connections on Ethernet switches and routers. They are connected via copper cabling (Coaxial, UTP etc.).

Where are Lightning and Surge Protectors used?

Lightning and surge protectors are used in many different applications including outdoor wireless networks, indoor Ethernet network installations and in any instance where the potential for a power surge could damage or destroy communications equipment.



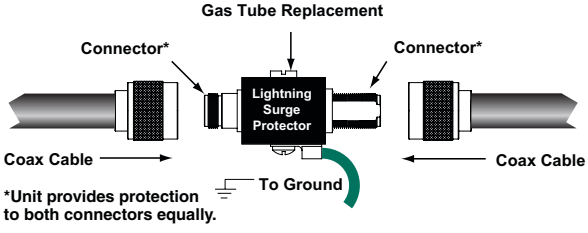
Don't let lightning destroy your network!

A single bolt of lightning carrying up to 100 million volts of electricity has the power to rip through roofs, explode brick walls and destroy electronic networking/communications equipment as well as industrial equipment. Don't be fooled into a false sense of security if you never receive direct strikes. Indirect lightning strikes on telephone and power lines can be just as catastrophic! Protect your valuable communications equipment with L-com's HyperLink® brand surge protectors.

Coaxial Lightning and Surge Protectors

L-com's HyperLink® coaxial lightning and surge protectors are available in two types, Quarter Wave and Gas Discharge models.

Quarter Wave coaxial protectors are designed to pass the desired frequency while suppressing lightning surges, much like a signal filter. Lightning strike electrical surges which operate at low frequencies are diverted through the protector's short-circuit to the ground.

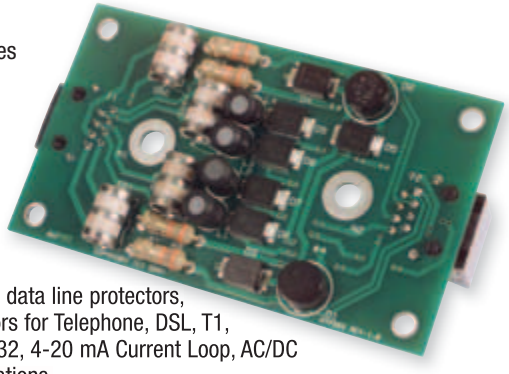


Gas Discharge coaxial protectors are a type of lightning arrestor which employs a replaceable gas discharge tube, which is a component containing a small amount of gas. The gas tube dumps extremely high amounts of surge energy directly to the ground of the protector. HyperLink® coaxial lightning protectors are available for 0-3 GHz operation or 0-6 GHz operation.

Data Line Lightning and Surge Protectors

The use of surge protectors to protect sensitive equipment from lightning strikes and surges on Ethernet data lines has become more important than ever with the advent of faster standards like 100 and 1000 Base-T Ethernet. The faster data speeds have required equipment manufacturers to use fragile high speed components.

Designed for Cat5, Cat5e and Cat6 applications, L-com's HyperLink® data line protectors are available in different power levels. From low power models for typical hub or client installations to high-power, 3-stage protectors designed for maximum surge protection.

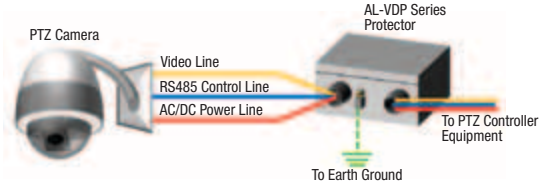


In addition to our data line protectors, we offer protectors for Telephone, DSL, T1, RS422/485, RS232, 4-20 mA Current Loop, AC/DC and Video applications.

Three Stage Data Line Protector

Weatherproof Analog Pan-Tilt-Zoom (PTZ) Video Camera Lightning and Surge Protectors

Outdoor video security equipment is often mounted on top of buildings and light poles, areas more vulnerable to lightning strikes. This can damage not only the video cameras, but the controllers as well. The AL-VDP series is designed to provide lightning and surge protection for analog PTZ video cameras. These protectors incorporate individual protection circuits for the analog video line, RS485 control line and AC/DC power lines.



Grounding Note:

Proper grounding of lightning and surge protectors is required to ensure proper operation. Connecting the ground lug on the protectors to an earth ground is the recommended method. Please refer to the National Electric Code (or your local codes) for additional information or contact a licensed electrician for assistance.

L-com® Global Connectivity



For more useful information go to.... L-com.com/Resources

HyperLink® Data Line Lightning and Surge Protectors

L-com's HyperLink® Cat5/5e/6 lightning protectors are designed to protect expensive wired and wireless 10/100 and 10/100/1000 Base-T Ethernet systems. These robust lightning protectors are also great to use in Power-over-Ethernet (PoE) camera installations.

Category 5 Data Line 10/100 Base-T Protectors

Item #	Power Rating	Description	1-9	10-24	25-99	100-249	250-499
HGLN-CAT5-2	⚡	Indoor, Shielded RJ45	37.99	34.19	30.39	26.59	22.79
AL-CAT5VW-1	⚡	Weather Resistant, RJ45	35.99	32.39	28.79	25.19	21.59
HGLN-CAT5J	⚡⚡⚡	Indoor, Shielded RJ45	34.99	31.49	27.99	24.49	20.99
HGLND-CAT5J	⚡⚡⚡	Indoor DIN Mount, Shielded RJ45	39.99	35.99	31.99	27.99	23.99
CMSP-CAT5-4	⚡⚡⚡	Indoor, 4-Port, Shielded RJ45	87.50	80.50	73.50	66.50	59.50
AL-CAT5JW	⚡⚡⚡	Weather Resistant, RJ45	29.99	28.79	27.59	25.49	22.49
AL-CAT5SJW	⚡⚡⚡	Weather Resistant, Shielded RJ45	31.99	30.71	29.43	27.19	23.99
AL-CAT5PW	⚡⚡⚡	Weather Resistant, Punch Down Terminal Block	29.99	28.79	27.59	25.49	22.49
AL-CAT5SW	⚡⚡⚡	Weather Resistant, Screw Terminal Block	29.99	28.79	27.59	25.49	22.49
AL-CAT5W	⚡⚡⚡⚡	Weatherproof, RJ45/Screw Terminal Block	44.99	43.19	41.39	38.24	33.74
ALS-CAT5W	⚡⚡⚡⚡	Compact Weatherproof, Shielded RJ45	44.99	43.19	41.39	38.24	33.74
AL-CAT5W-4	⚡⚡⚡⚡	Weatherproof, 4-Port, Shielded RJ45	114.99	103.49	91.99	80.49	68.99
HGLN-CAT5-HP	⚡⚡⚡⚡⚡	Indoor, High Power, Shielded RJ45	59.99	53.99	47.99	41.99	35.99
HGLND-CAT5-HP	⚡⚡⚡⚡⚡	Indoor DIN Mount, High Power, Shielded RJ45	64.99	58.49	51.99	45.49	38.99
AL-CAT5HPJW	⚡⚡⚡⚡⚡	Weather Resistant, High Power, Shielded RJ45	49.99	47.99	45.99	42.49	37.49
AL-CAT5HPW	⚡⚡⚡⚡⚡	Weatherproof, High Power, RJ45/Screw Terminal Block	62.50	60.00	57.50	53.13	46.88
ALW-CAT5HPJ	⚡⚡⚡⚡⚡	Weatherproof Metal Enclosure, High Power, Shielded RJ45	69.95	64.35	58.76	53.16	47.57
AL-CAT5HPW-4	⚡⚡⚡⚡⚡	Weatherproof, 4-Port, High Power, Screw Terminal Block	179.99	161.99	143.99	125.99	107.99

Category 5e Data Line 10/100 Base-T Protectors

AL-CAT5EW	⚡⚡	Weatherproof, Screw Terminal Block	39.99	38.39	36.79	33.99	29.99
HGLN-CAT5EJW	⚡⚡⚡⚡	Indoor, Shielded RJ45	44.99	41.39	37.79	34.19	30.59
HGLND-CAT5EJW	⚡⚡⚡⚡	Indoor DIN Mount, Shielded RJ45	49.99	44.99	39.99	34.99	29.99
AL-CAT5EPW	⚡⚡⚡⚡	Weather Resistant, Punch Down Terminals	39.99	38.39	36.79	33.99	29.99
AL-CAT5EJW	⚡⚡⚡⚡	Weather Resistant, Shielded RJ45	39.99	36.79	33.59	30.39	27.19
AL-CAT5EJWP	⚡⚡⚡⚡	Weatherproof, Shielded RJ45	56.95	52.39	47.84	43.28	38.73
ALS-CAT5EJWP	⚡⚡⚡⚡	Compact Weatherproof, Shielded RJ45	56.95	52.39	47.84	43.28	38.73
ALW-CAT5EJ	⚡⚡⚡⚡	Weatherproof Metal Enclosure, Shielded RJ45	61.95	56.99	52.04	47.08	42.13
ALW-CAT5EP	⚡⚡⚡⚡	Weatherproof Metal Enclosure, Punch Down Terminals	61.95	56.99	52.04	47.08	42.13
AL-CAT5EHPW	⚡⚡⚡⚡⚡	Weatherproof, High Power, Screw Terminal Block	61.95	56.99	52.04	47.08	42.13

Category 6 Data Line 10/100/1000 Base-T Protectors

HGLN-CAT6	⚡	Indoor, Shielded RJ45	39.99	35.99	31.99	27.99	23.99
HGLN-CAT6J	⚡⚡	Indoor, Shielded RJ45	39.99	36.79	33.59	30.39	27.19
HGLND-CAT6J	⚡⚡	Indoor DIN Mount, Shielded RJ45	44.99	40.49	35.99	31.49	26.99
CMSP-CAT6-4	⚡⚡	Indoor, 4-Port, Shielded RJ45	94.50	86.94	79.38	71.82	64.26
AL-CAT6JW	⚡⚡	Weather Resistant, RJ45	31.99	30.71	29.43	27.19	23.99
AL-CAT6PW	⚡⚡	Weather Resistant, Punch Down Terminal Block	31.99	30.71	29.43	27.19	23.99
AL-CAT6W	⚡⚡	Weatherproof, Screw Terminal Block	49.99	47.99	45.99	43.99	41.99
HGLND-CAT6-HP	⚡⚡⚡⚡	Indoor DIN Mount, High Power, Shielded RJ45	66.99	60.29	53.59	46.89	40.19
HGLN-CAT6-HP	⚡⚡⚡⚡	Indoor, High Power, Shielded RJ45	61.99	57.03	52.07	47.11	42.15
AL-CAT6HPJW	⚡⚡⚡⚡	Weather Resistant, High Power, Shielded RJ45	51.99	49.91	47.83	44.19	38.99
ALS-CAT6HPW	⚡⚡⚡⚡	Compact Weatherproof, High Power, Shielded RJ45	62.99	59.21	55.43	51.65	47.87
ALW-CAT6HPJ	⚡⚡⚡⚡	Weatherproof Metal Enclosure, High Power, Shielded RJ45	67.95	62.51	57.08	51.64	46.21
HGLN-CAT6JT	⚡⚡⚡⚡⚡	Indoor, Differential Gas Tube, Shielded RJ45	47.99	46.07	44.15	40.79	35.99
CMSP-CAT6T-4	⚡⚡⚡⚡⚡	Indoor, 4-Port, Differential Gas Tube, Shielded RJ45	119.99	110.39	100.79	91.19	81.59

15V and 24V PoE Compatible Data Line Lightning and Surge Protectors

The lightning protectors in this sections are designed to be compatible with PoE equipment requiring 15V and 24V. Note, these protectors are not intended for use with standard 48V PoE equipment.

HGLN-CAT5J24	⚡⚡⚡	Indoor, Cat5, 15V/24V PoE, Shielded RJ45	37.99	34.19	30.39	26.59	22.79
AL-CAT5SJW24	⚡⚡⚡	Weather Resistant, Cat5, 15V/24V PoE, Shielded RJ45	34.99	33.59	32.19	29.74	26.24
AL-CAT5W-4-24	⚡⚡⚡⚡	Weatherproof, 4-Port, Cat5, 15V/24V PoE, Shielded RJ45	119.99	107.99	95.99	83.99	71.99
HGLN-CAT5EJW24	⚡⚡⚡⚡	Indoor, Cat5e, 15V/24V PoE, Shielded RJ45	47.99	44.15	40.31	36.47	32.63
AL-CAT5EJW24	⚡⚡⚡⚡	Weather Resistant, Cat5e, 15V/24V PoE, Shielded RJ45	42.99	39.55	36.11	32.67	29.23
ALW-CAT5EJ24	⚡⚡⚡⚡	Weatherproof Metal Enclosure, Cat5e 15V/24V PoE, Shielded RJ45	64.95	59.75	54.56	49.36	44.17

Rack Mount Category 5 10/100 Base-T and Category 6 10/100/1000 Base-T Protectors

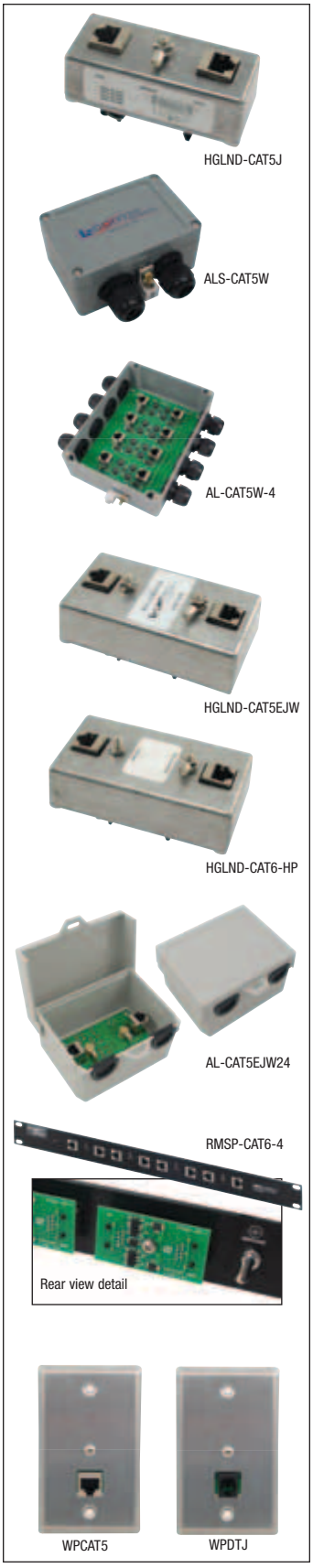
The RMSP series Surge Protectors provide surge protection for up to four Ethernet lines. These units are 802.3af Power over Ethernet (PoE) compatible. The compact 1U Rack Panel features a clean, system wide mounting of the circuit protectors and may be installed in the rear of the 19 inch (48.3cm) rack where they are normally required of line in and out.

RMSP-CAT5S-4	⚡⚡⚡	Cat5, 19in (48.3cm) Panel with 4 Surge Protector Ports	74.99	68.99	62.99	CALL	CALL
RMSP-CAT6-4	⚡⚡	Cat6, 19in (48.3cm) Panel with 4 Surge Protector Ports	89.99	82.79	75.59	CALL	CALL
RMSP-CAT6T-4	⚡⚡⚡⚡⚡	Cat6, 19in (48.3cm) Panel with 4 High Power Surge Protector Ports	119.99	110.39	100.79	91.19	81.59

Wall Plate Series Lightning and Surge Protectors

The WP series lightning protectors feature stainless steel wall plates designed to mount to standard in-wall conduit boxes. These units are ideal for providing lightning and surge protection in homes and offices with existing in-wall telephone and network wiring. The stainless steel wall plates make these protectors also ideal for use in high EMI/RFI environments.

WPCAT5	⚡⚡⚡	Wall Plate, Cat5, Shielded RJ45/RJ45	24.99	23.99	22.99	21.99	20.99
WPCAT6	⚡⚡	Wall Plate, Cat6, Shielded RJ45/RJ45	24.99	23.99	22.99	21.99	20.99
WPDTJ	⚡⚡⚡⚡	Wall Plate, Telephone/DSL, RJ11/RJ11	24.99	23.99	22.99	21.99	20.99
WPDTP	⚡⚡⚡⚡	Wall Plate, Telephone/DSL, RJ11/Punch Terminal	24.99	23.99	22.99	21.99	20.99

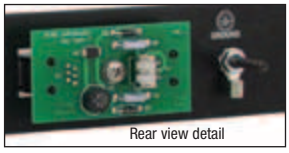


The lightning bolts next to the part numbers indicate Power Rating.
⚡ = Low Power
⚡⚡⚡⚡⚡ = High Power

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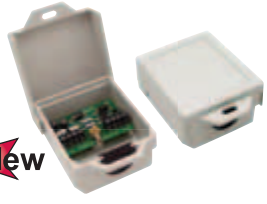

HGLND-D1-DT


RMSP-DT-4

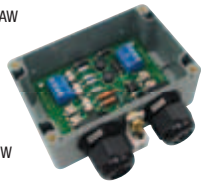

Rear view detail


ALW-DSLS

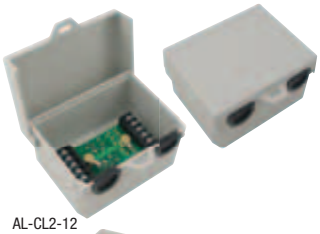

HGLND-D1-05



AL-D15P1228AW



ALS-D25P12DW


AL-CL2-12


HGLN-AISG1


AL-D8-12AC

Item #	Power Rating	Description	1-9	10-24	25-99	100-249	250-499

Telephone/DSL/T1 Protectors

L-com's HyperLink® Telephone, DSL and T1 lightning and surge protectors are perfect for indoor and outdoor installations. There are multiple styles to choose from including screw terminal, punch down and RJ11.

AL-D4W-DT	⚡⚡⚡	Weather Resistant, Phone/DSL, T1/E1/J1, Screw Terminal	39.99	38.39	36.79	33.99	29.99
AL-D4W-DP	⚡⚡⚡	Weather Resistant, Phone/DSL, T1/E1/J1, Punch Down Terminal	39.99	38.39	36.79	33.99	29.99
HGLN-D1-DT	⚡⚡⚡⚡	Indoor, High Power Single Line Phone/DSL, Screw Terminal	39.99	38.79	37.59	36.39	CALL
HGLND-D1-DT	⚡⚡⚡⚡	Indoor DIN Mount, High Power Single Line Phone/DSL, Screw Terminal	44.99	43.64	42.29	40.94	CALL
HGLN-DT	⚡⚡⚡⚡	Indoor, High Power Single Line Phone/DSL, RJ11	39.99	38.79	37.59	36.39	CALL
HGLN-D2T	⚡⚡⚡⚡	Indoor, High Power Dual Line Phone/DSL, RJ11	39.99	38.39	36.79	33.99	39.99
CMSP-DT-4	⚡⚡⚡⚡	Indoor, 4-Port High Power Phone/DSL, RJ11	99.99	97.99	95.99	93.99	91.99
RMSP-DT-4	⚡⚡⚡⚡	19 inch (48.3cm) Rack Panel, 4-Port High Power Phone/DSL, RJ11	99.99	97.99	95.99	93.99	91.99
HGLN-DSL	⚡⚡⚡⚡⚡	Indoor, Phone/DSL, 3-Stage, RJ11	49.99	45.99	41.99	37.99	33.99
AL-DSLJW	⚡⚡⚡⚡⚡	Weather Resistant, Phone/DSL, 3-Stage, RJ11	49.99	44.99	39.99	34.99	29.99
ALW-DSLJ	⚡⚡⚡⚡⚡	Weatherproof Metal Enclosure, Phone/DSL, 3-Stage, RJ11	66.25	60.95	55.65	50.35	45.05
HGLN-D2-DT	⚡⚡⚡⚡⚡	Indoor, Phone/DSL, 3-Stage, Screw Terminal	49.99	46.99	43.99	40.99	37.99
HGLND-D2-DT	⚡⚡⚡⚡⚡	Indoor DIN Mount, Phone/DSL, 3-Stage, Screw Terminal	54.99	51.69	48.39	45.09	41.79
AL-DSLSW	⚡⚡⚡⚡⚡	Weather Resistant, Phone/DSL, 3-Stage, Screw Terminal	49.99	45.99	41.99	37.99	33.99
ALW-DSLS	⚡⚡⚡⚡⚡	Weatherproof Metal Enclosure, Phone/DSL, 3-Stage, Screw Terminal	66.25	63.60	60.95	56.31	49.69
AL-D3W-DT	⚡⚡⚡⚡⚡	Weather Resistant, Phone/DSL, 3-Stage, Screw Terminal	55.99	52.63	49.27	45.91	42.55

RS422 / RS485 / RS232 Protectors

L-com's HyperLink® lightning and surge protectors in this section are ideal for RS422, RS485, RS232 lines as well as providing protection for sensors and control lines. All protectors in this section feature screw terminals.

AL-D4W-05	⚡⚡⚡	Weather Resistant, 4-Line RS422/485	39.99	38.39	36.79	33.99	29.99
AL-D8W-12	⚡⚡⚡	Weather Resistant, 8-Line RS232	39.99	38.39	36.79	33.99	29.99
HGLN-D1-05	⚡⚡⚡⚡	Indoor, 1-Line RS485, 3-Stage	34.99	33.59	32.19	30.79	29.39
HGLND-D1-05	⚡⚡⚡⚡	Indoor DIN Mount, RS485, 3-Stage	39.99	38.39	36.79	35.19	33.59
HGLN-D2-05	⚡⚡⚡⚡⚡	Indoor, RS422/485, RTDs, T1/E1/J1, 3-Stage	49.99	47.99	45.99	42.49	37.49
HGLND-D2-05	⚡⚡⚡⚡⚡	Indoor DIN Mount, RS422/485, RTDs, T1/E1/J1, 3-Stage	54.99	51.69	48.39	45.09	41.79
AL-D2W-05	⚡⚡⚡⚡⚡	Weather Resistant, RS422/485, RTDs, T1/E1/J1, 3-Stage	49.99	47.99	45.99	42.49	37.49
ALW-D2-05	⚡⚡⚡⚡⚡	Weatherproof Metal Enclosure, RS422/485, 3-Stage	63.95	58.83	53.72	48.60	43.49
AL-D3W-05	⚡⚡⚡⚡⚡	Weather Resistant, RS485	55.99	52.63	49.27	45.91	42.55
HGLN-D2-12	⚡⚡⚡⚡⚡	Indoor, 2-Line RS232, 3-Stage	49.99	47.99	45.99	42.49	37.49
AL-D2W-12	⚡⚡⚡⚡⚡	Weather Resistant, 2-Line RS232, 3-Stage	49.99	47.99	45.99	42.49	37.49
ALW-D2-12	⚡⚡⚡⚡⚡	Weatherproof Metal Enclosure, 2-Line RS232, 3-Stage	63.95	58.83	53.72	48.60	43.49
AL-D4-05W	⚡⚡⚡⚡⚡	Weatherproof, 4-Line RS422/485	59.99	56.39	52.79	49.19	45.59

RS422 / RS485 Control Lines with AC / DC Supply Voltage Protectors

L-com's HyperLink® AL-D15P and ALS-D25P protectors incorporate individual protection circuits for RS422/485 control lines and AC/DC power lines. These protectors are ideal for RS422/485 lines with AC/DC supply voltage, analog or IP video surveillance cameras, Pool/spa controllers and Pan-Tilt-Zoom (PTZ) camera controllers.

AL-D15P05DW	⚡⚡⚡⚡⚡	5VDC, RS485, Weather Resistant, Screw Terminal	29.00	27.84	26.68	25.52	24.36
AL-D15P12DW	⚡⚡⚡⚡⚡	12VDC, RS485, Weather Resistant, Screw Terminal	29.00	27.84	26.68	25.52	24.36
AL-D15P15DW	⚡⚡⚡⚡⚡	15VDC, RS485, Weather Resistant, Screw Terminal	29.00	27.84	26.68	25.52	24.36
AL-D15P24DW	⚡⚡⚡⚡⚡	24VDC, RS485, Weather Resistant, Screw Terminal	29.00	27.84	26.68	25.52	24.36
AL-D15P1228AW	⚡⚡⚡⚡⚡	12-28VAC, RS485, Weather Resistant, Screw Terminal	29.00	27.84	26.68	25.52	24.36
ALS-D25P12DW	⚡⚡⚡⚡⚡	12VDC, RS422/RS485, Weatherproof, Screw Terminal	50.00	48.00	46.00	44.00	42.00
ALS-D25P15DW	⚡⚡⚡⚡⚡	15VDC, RS422/RS485, Weatherproof, Screw Terminal	50.00	48.00	46.00	44.00	42.00
ALS-D25P24DW	⚡⚡⚡⚡⚡	24VDC, RS422/RS485, Weatherproof, Screw Terminal	50.00	48.00	46.00	44.00	42.00
ALS-D25P1228AW	⚡⚡⚡⚡⚡	12-28VAC, RS422/RS485, Weatherproof, Screw Terminal	50.00	48.00	46.00	44.00	42.00

4-20 mA Current Loop Protectors

L-com's HyperLink® brand 4-20 mA protectors are ideal for sensors and controllers as well as industrial control lines, HART street light controllers, toll booths, drawbridges, railroad crossing gates and signals. Available in three voltages; 12V, 15V and 24V.

AL-CL4-12	⚡⚡⚡	12V Weather Resistant, 4-Channel, Screw Terminal	39.99	38.39	36.79	33.99	29.99
HGLN-CL1-12	⚡⚡⚡⚡	12V Indoor, 1-Channel, Screw Terminal	43.60	40.98	38.37	35.75	33.14
HGLND-CL1-12	⚡⚡⚡⚡	12V Indoor DIN Mount, 1-Channel, Screw Terminal	48.60	45.68	42.77	39.85	36.94
HGLN-CL2-12	⚡⚡⚡⚡⚡	12V Indoor, 2-Channel, Screw Terminal	44.95	42.25	39.56	36.86	34.16
HGLND-CL2-12	⚡⚡⚡⚡⚡	12V Indoor DIN Mount, 2-Channel, Screw Terminal	49.95	46.95	43.96	40.96	37.96
AL-CL2-12	⚡⚡⚡⚡⚡	12V Weather Resistant, 2-Channel, Screw Terminal	39.50	37.92	36.34	33.57	29.63
AL-CL3W-12	⚡⚡⚡⚡⚡	12V Weatherproof, 3-Channel, Screw Terminal	57.25	54.96	52.67	50.38	48.09
AL-CL4W-12	⚡⚡⚡⚡⚡	12V Weatherproof, 4-Channel, Screw Terminal	59.95	57.55	55.15	52.76	50.36

See web site for 15V and 24V models.

Remote Electrical Tilt (RET)/AISG Protector

L-com's HyperLink® RET/AISG protector is compatible with AISG 5, 6 and 8-conductor control lines and provides individual protection of the Power and RS485 lines within the control cable.

HGLN-AISG1	⚡⚡⚡⚡	Weatherproof, RET/AISG Compatible, 8-Pin	89.99	84.59	79.19	73.79	68.39

AC and DC Control Line Protectors

L-com offers a full line of AC and DC Control Line lightning and surge protectors. Available in 12V, 24V and 48V in either AC or DC models.

AL-D8-12ACW	⚡⚡⚡⚡	Weather Resistant, Single Stage, 12VAC, 8-Wire, Screw Terminal	49.99	47.99	45.99	43.99	41.99
AL-D8-24ACW	⚡⚡⚡⚡	Weather Resistant, Single Stage, 24VAC, 8-Wire, Screw Terminal	49.99	47.99	45.99	43.99	41.99
AL-D8-48ACW	⚡⚡⚡⚡	Weather Resistant, Single Stage, 48VAC, 8-Wire, Screw Terminal	49.99	47.99	45.99	43.99	41.99
AL-D8-12AC	⚡⚡⚡⚡	Weatherproof, 12VAC, 8-Wire, Screw Terminal	59.99	58.19	56.39	54.59	CALL
AL-D8-24AC	⚡⚡⚡⚡	Weatherproof, 24VAC, 8-Wire, Screw Terminal	59.99	58.19	56.39	54.59	CALL
AL-D8-48AC	⚡⚡⚡⚡	Weatherproof, 48VAC, 8-Wire, Screw Terminal	59.99	58.19	56.39	54.59	CALL
AL-D8-05DCW	⚡⚡⚡	Weather Resistant, Single Stage, 5VDC, 8-Wire, Screw Terminal	49.99	47.99	45.99	43.99	41.99
AL-D8-12DCW	⚡⚡⚡	Weather Resistant, Single Stage, 12VDC, 8-Wire, Screw Terminal	49.99	47.99	45.99	43.99	41.99
AL-D8-24DCW	⚡⚡⚡	Weather Resistant, Single Stage, 24VDC, 8-Wire, Screw Terminal	49.99	47.99	45.99	43.99	41.99
AL-D8-48DCW	⚡⚡⚡	Weather Resistant, Single Stage, 48VDC, 8-Wire, Screw Terminal	49.99	47.99	45.99	43.99	41.99
AL-D8-12DC	⚡⚡⚡⚡	Weatherproof, 12VDC, 8-Wire, Screw Terminal	59.99	58.19	56.39	54.59	CALL
AL-D8-24DC	⚡⚡⚡⚡	Weatherproof, 24VDC, 8-Wire, Screw Terminal	59.99	58.19	56.39	54.59	CALL
AL-D8-48DC	⚡⚡⚡⚡	Weatherproof, 48VDC, 8-Wire, Screw Terminal	59.99	58.19	56.39	54.59	CALL
HGLN-DC-12	⚡⚡⚡⚡⚡	Indoor, 12VDC, 1-Line, Screw Terminal	37.99	36.85	35.71	34.57	CALL

L-com® Global Connectivity

The lightning bolts next to the part numbers indicate Power Rating.
⚡ = Low Power
⚡⚡⚡⚡⚡ = High Power

Item #	Power Rating	Description	1-9	10-24	25-99	100-249	250-499
Load Cell/RTD/Strain Gauge Sensor Protectors							
The AL-LC series lightning and surge protectors that provide superior protection for devices such as load cells, weighbridges, resistance temperature detectors (RTD) and strain gauge sensors.							
AL-LC-30	⚡⚡⚡⚡⚡	Weatherproof 3-Stage Load Cell/RTD Lightning Surge Protector	59.99	57.59	55.19	52.79	50.39
AL-LC	⚡⚡⚡⚡⚡	Weatherproof Single Stage Load Cell/RTD Lightning Surge Protector	39.99	38.79	37.59	36.39	35.19
Audio System Protectors							
L-com's HyperLink® outdoor speaker and public address system lightning protectors offer protection of valuable PA equipment at an affordable price.							
AL-D2-AW	⚡⚡⚡⚡⚡	Weatherproof, 4/8 Ohm Audio Systems, Screw Terminal	49.99	48.49	46.99	45.49	CALL
AL-D2-PAW	⚡⚡⚡⚡⚡	Weatherproof, 70.7/100V Public Address Systems, Screw Terminals	49.99	48.49	46.99	45.49	CALL
Coaxial Video Protectors							
L-com's HyperLink® Coaxial Video protectors are ideal for protecting surveillance and CCTV cameras, DVRs, surveillance PCs and video monitors.							
HGLN-VIDEO-1	⚡⚡⚡	Indoor, 1-Port Video, BNC Connectors	37.99	34.19	30.39	26.59	22.79
HGLN-VIDEO-1I	⚡⚡⚡	Indoor, 1-Port Video, Isolated BNC Connectors	37.99	34.19	30.39	26.59	22.79
CMSP-VIDEO-4	⚡⚡⚡	Indoor, 4-Port Video, BNC Connectors	59.99	55.19	50.39	45.59	CALL
CMSP-VIDEO-4I	⚡⚡⚡	Indoor, 4-Port Video, Isolated BNC Connectors	59.99	55.19	50.39	45.59	CALL
RMSP-VIDEO-4	⚡⚡⚡	19 inch (48.3cm) Rack Panel, 4-Port Video, BNC Connectors	69.99	64.39	58.79	53.19	CALL
RMSP-VIDEO-4I	⚡⚡⚡	19 inch (48.3cm) Rack Panel, 4-Port Video, Isolated BNC Connectors	69.99	64.39	58.79	53.19	CALL
Analog Pan-Tilt-Zoom (PTZ) Video Camera Surge Protectors							
The L-com's HyperLink® AL-VDP series are designed to provide superior lightning and surge protection for analog PTZ video cameras. These protectors incorporate individual protection circuits for the analog video line, RS485 control line and AC/DC power lines.							
AL-VDP012DW	⚡⚡⚡⚡⚡	12VDC Weatherproof, Grounded BNC Connectors	124.99	114.99	104.99	94.99	84.99
AL-VDP112DW	⚡⚡⚡⚡⚡	12VDC Weatherproof, Isolated BNC Connectors	124.99	114.99	104.99	94.99	84.99
AL-VDP024DW	⚡⚡⚡⚡⚡	24VDC Weatherproof, Grounded BNC Connectors	124.99	114.99	104.99	94.99	84.99
AL-VDP124DW	⚡⚡⚡⚡⚡	24VDC Weatherproof, Isolated BNC Connectors	124.99	114.99	104.99	94.99	84.99
AL-VDP01228AW	⚡⚡⚡⚡⚡	12-28VAC Weatherproof, Grounded BNC Connectors	124.99	114.99	104.99	94.99	84.99
AL-VDP11228AW	⚡⚡⚡⚡⚡	12-28VAC Weatherproof, Isolated BNC Connectors	124.99	114.99	104.99	94.99	84.99
Tripp-Lite In-Line Surge Suppressors							
Tripp-Lite's In-Line data and telephone surge suppressors help protect valuable equipment from electrical surge. These low cost suppressors easily connect in-line with existing data and telephone connections.							
TL-DNET1		Network Surge Suppressor, RJ45 Jacks	20.95	20.11	19.27	18.44	CALL
TL-DTEL2		2-Line Telephone Suppressor, RJ11/45 Jacks	22.95	22.03	21.11	20.20	CALL
USB Panel Mountable Surge Protector							
The L-com AL-ECF504-AB USB surge protector is a commercial quality device designed to protect a computer's sensitive USB ports from surges and spikes from attached devices. This surge protector is ideal for protecting a PC from WiFi client adapters and surveillance cameras used with long USB extender cables.							
AL-ECF504-AB		USB Panel Mountable Surge Protector, Type A / Type B	15.95	14.99	14.04	13.08	12.12
HyperLink® Coaxial Lightning and Surge Protectors							
L-com's HyperLink® coaxial lightning and surge protectors feature replaceable gas tubes (except for 1/4 wave model), multi-strike capability and bi-directional protection.							
0-3 GHz Coaxial Protectors							
AL-NFNFB-9		Type N Female to Type N Female Bulkhead, 90V	18.99	17.09	15.19	13.29	11.39
AL-NFNFBHP-9		Type N Female to Type N Female Bulkhead, Indoor, High Power, 90V	24.99	23.99	22.99	21.24	18.74
AL-NMNFB-9		Type N Male to Type N Female Bulkhead, 90V	18.99	17.09	15.19	13.29	11.39
AL-BMBFB-9		BNC Male to BNC Female Bulkhead, 90V	14.99	14.39	13.79	12.74	11.24
AL-TMTFB-9		TNC Male to TNC Female Bulkhead, 90V	23.99	23.03	22.07	20.39	17.99
AL-UFUFB-6		UHF Female to UHF Female Bulkhead, 600V	14.99	14.39	13.79	12.74	11.24
AL-RBPRBJB-9		RP-BNC Plug to RP-BNC Jack Bulkhead, 90V	14.99	14.39	13.79	12.74	11.24
AL-RTPRTJB-9		RP-TNC Plug to RP-TNC Jack Bulkhead, 90V	23.99	23.03	22.07	20.39	17.99
AL-FFFF-9		Type F Female to Type F Female, 90V	23.99	21.59	19.19	16.79	14.39
AL-F		Type F Male to Type F Female, 50V	7.49	6.89	6.29	5.69	5.09
0-6 GHz Coaxial Protectors							
AL6-NFNFBW-9		Type N Female to Type N Female Bulkhead, 90V	34.00	30.60	27.20	23.80	20.40
AL6-NMNFBW-9		Type N Male to Type N Female Bulkhead, 90V	34.00	30.60	27.20	23.80	20.40
AL6-RSPRSJBW-9		RP-SMA Plug to RP-SMA Jack Bulkhead, 90V	29.99	26.99	23.99	20.99	17.99
2.4 GHz Quarter Wave Coaxial Protectors							
ALQ2-NMNFB		Type N Male to Type N Female Bulkhead, 1/4 Wave	34.99	33.59	32.19	29.74	26.24
Replacement Gas Tubes							
LPX090G		0-6 GHz, 90V, Replacement Gas Tube	9.99	8.99	7.99	6.99	5.99
LPX090-6		0-6 GHz, 90V, Replacement Gas Tube For AL-NMNFBW-9	5.99	5.39	4.79	4.19	3.59
LPX090		0-3 GHz, 90V, Replacement Gas Tube	4.99	4.49	3.99	3.49	2.99
LPX230		0-3 GHz, 230V, Replacement Gas Tube	4.99	4.49	3.99	3.49	2.99
LPX350		0-3 GHz, 350V, Replacement Gas Tube	4.99	4.49	3.99	3.49	2.99
LPX600		0-3 GHz, 600V, Replacement Gas Tube	4.99	4.49	3.99	3.49	2.99
Accessories							
HGX-LPMOUNT01		ALQ2 Mounting Bracket	4.99	4.49	3.99	3.49	2.99
Grounding Kits and Clamps							
L-com's grounding kits are designed to withstand the damaging effects of lightning currents in excess of 200kA and comply with MIL-STD-188-124A. These grounding kits support LMR400, LMR600 and LMR900 series coaxial cable. Our grounding clamp fits around existing conduit pipe or water pipe for a secure ground.							
HT-GK400		Grounding Kit for LMR400 Series Cable	17.99	17.27	16.55	15.29	13.49
HT-GK600		Grounding Kit for LMR600 Series Cable	17.99	17.27	16.55	15.29	13.49
HT-GK900		Grounding Kit for LMR900 Series Cable	17.99	17.27	16.55	15.29	13.49
HT-GCLAMP01		Grounding Pipe Clamp	0.99	0.95	0.91	0.87	0.83



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L-com® Global Connectivity



PSW1212-POE


PS4820GB-POE




BT-CAT5-P1


BT-CAT5E-P1-HPW


BT-CAT5-P4J


BT-CAT6-P1-4848


BT-CAT6-P4


TRD855SCR-series

Item #	Description	1-9	10-24	25-99	100-249	250-499

Power-over-Ethernet (PoE) 48 VDC Midspan/Injectors

L-com offers a wide range of PoE Midspan/Injectors styles including reverse polarity and 4-port models. These PoE midspan/injectors can be used to supply power as well as data to PoE compliant devices such as access points, CPEs, IP phone and wireless routers over a single Ethernet cable.

All-In-One Midspan/Injector with Integral Power Supply

L-com's HyperLink® All-In-One Midspan/Injectors are completely self-contained. A separate Power Supply and Injector is not required. These units are available in desktop or wall mount versions for 12 VDC, 24 VDC and 48 VDC PoE applications. Note, some desktop models require purchase of power cords which are available in different lengths. Please see the L-com web site for more information.

PSW1212-POE	12 VDC, 12W, Wall Mount, RJ45	16.00	15.04	14.08	13.12	12.16
PS1212-POE	12 VDC, 12W, Desktop, RJ45, Requires PSCORD2 Power Cord	22.99	21.61	20.23	18.85	17.47
PSW2424-POE	24 VDC, 24W, Wall Mount, RJ45	16.00	15.04	14.08	13.12	12.16
PS2424-POE	24 VDC, 24W, Desktop, RJ45, Requires PSCORD3 Power Cord	22.99	21.61	20.23	18.85	17.47
PSW4824-POE	48 VDC, 24W, Wall Mount, RJ45	16.00	15.04	14.08	13.12	12.16
PS4820-POE-1	48 VDC, 20W, Dual RJ45	23.25	21.86	20.46	19.07	17.67
PS4820GB-POE	48 VDC, 19W, Gigabit, Dual RJ45, Requires PSCORD3	24.99	23.99	22.99	21.99	CALL
PS4860-POE	48 VDC, 60W, Dual RJ45, Requires PSCORD3	74.99	71.99	68.99	63.74	56.24

Cat5 Midspan/Injectors

BT-CAT5-E1	Compact Single Port, 5-48 VDC	5.00	4.70	4.40	4.10	3.80
BT-CAT5-E1-4848	BT-CAT5-E1 with 48VDC/48W Power Supply	25.00	24.00	23.00	22.00	21.00
BT-CAT5-E1-4870	BT-CAT5-E1 with 48VDC/70W Power Supply	45.00	43.20	41.40	39.60	37.80
BT-CAT5-P1	Single Port, 5-48 VDC	23.00	21.62	20.24	18.86	17.48
BT-CAT5-P1-4848	BT-CAT5-P1 with 48VDC/48W Power Supply	38.00	35.72	33.44	31.16	28.88
BT-CAT5-P1-4870	BT-CAT5-P1 with 48VDC/70W Power Supply	58.00	54.52	51.04	47.56	44.08
BT-CAT5-P1J	Single Port, 5-48 VDC with Cat5 Surge Protection	35.00	32.90	30.80	28.70	26.60
BT-CAT5-P1J-4848	BT-CAT5-P1J with 48VDC/48W Power Supply	50.00	47.00	44.00	41.00	38.00
BT-CAT5-P1J-4870	BT-CAT5-P1J with 48VDC/70W Power Supply	70.00	65.80	61.60	57.40	53.20
BT-CAT5-P1R	Single Port, 5-48 VDC, Reverse Polarity	30.00	28.20	26.40	24.60	22.80
BT-CAT5-P1R4848	BT-CAT5-P1R with 48VDC/48W Power Supply	45.00	42.30	39.60	36.90	34.20
BT-CAT5-P1R4870	BT-CAT5-P1R with 48VDC/70W Power Supply	65.00	61.10	57.20	53.30	49.40
BT-CAT5-P4	Four Port, 5-48 VDC	50.00	47.00	44.00	41.00	38.00
BT-CAT5-P4-4848	BT-CAT5-P4 with 48VDC/48W Power Supply	65.00	61.10	57.20	53.30	49.40
BT-CAT5-P4-4870	BT-CAT5-P4 with 48VDC/70W Power Supply	85.00	79.90	74.80	69.70	64.60
BT-CAT5-P4J	Four Port, 5-48 VDC with Cat5 Surge Protection	55.00	51.70	48.40	45.10	41.80
BT-CAT5-P4J-4848	BT-CAT5-P4J with 48VDC/48W Power Supply	70.00	65.80	61.60	57.40	53.20
BT-CAT5-P4J-4870	BT-CAT5-P4J with 48VDC/70W Power Supply	90.00	84.60	79.20	73.80	68.40

Cat5e Midspan/Injectors

BT-CAT5E-P1-HP	Single Port, 5-60 VAC/DC with Hi-Power Cat5e Surge Protection	45.00	42.30	39.60	36.90	34.20
BT-CAT5E-P1-HP-4848	BT-CAT5E-P1-HP with 48VDC/48W Power Supply	60.00	56.40	52.80	49.20	45.60
BT-CAT5E-P1-HP-4870	BT-CAT5E-P1-HP with 48VDC/70W Power Supply	80.00	75.20	70.40	65.60	60.80
BT-CAT5E-P1-HPW	Single Port, Weather Resistant, 5-60 VAC/DC with Hi-Power Cat5e Surge Protection	45.00	42.30	39.60	36.90	34.20
BT-CAT5E-P1-HPW4848	BT-CAT5E-P1-HPW with 48VDC/48W Power Supply	60.00	56.40	52.80	49.20	45.60
BT-CAT5E-P1-HPW4870	BT-CAT5E-P1-HPW with 48VDC/70W Power Supply	80.00	75.20	70.40	65.60	60.80

Cat6 Gigabit Midspan/Injectors

BT-CAT6-P1	Single Port, 5-60 VAC/DC	40.00	37.60	35.20	32.80	30.40
BT-CAT6-P1-4848	BT-CAT6-P1 with 48VDC/48W Power Supply	55.00	51.70	48.40	45.10	41.80
BT-CAT6-P1-4870	BT-CAT6-P1 with 48VDC/70W Power Supply	75.00	70.50	66.00	61.50	57.00
BT-CAT6-P1-HP	Single Port, 5-60 VAC/DC with Hi-Power Cat6 Surge Protection	60.00	57.60	55.20	52.80	50.40
BT-CAT6P1HP-48W	BT-CAT6-P1-HP with 48VDC/48W Power Supply	75.00	72.00	69.00	66.00	63.00
BT-CAT6P1HP-70W	BT-CAT6-P1-HPW with 48VDC/70W Power Supply	95.00	91.20	87.40	83.60	79.80
BT-CAT6-P1-HPW	Single Port, Weather Resistant, 5-60 VAC/DC with Hi-Power Cat6 Surge Protection	60.00	57.60	55.20	52.80	50.40
BT-CAT6P1HPW48W	BT-CAT6-P1-HPW with 48VDC/48W Power Supply	75.00	72.00	69.00	66.00	63.00
BT-CAT6P1HPW70W	BT-CAT6-P1-HPW with 48VDC/70W Power Supply	95.00	91.20	87.40	83.60	79.80
BT-CAT6-P4	Four Port, 5-60 VAC/DC	70.00	65.80	61.60	57.40	53.20
BT-CAT6-P4-4848	BT-CAT6-P4 with 48VDC/48W Power Supply	85.00	79.90	74.80	69.70	64.60
BT-CAT6-P4-4870	BT-CAT6-P4 with 48VDC/70W Power Supply	105.00	98.70	92.40	86.10	79.80

Accessories

TRD855SCR-1	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45, 1.0ft (0.3m)	6.29	6.10	5.91	5.66	5.03
TRD855SCR-2	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45, 2.0ft (0.6m)	6.89	6.68	6.48	6.20	5.51
TRD855SCR-3	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45, 3.0ft (0.9m)	7.49	7.27	7.04	6.74	5.99
TRD855SCR-5	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45, 5.0ft (1.5m)	8.39	8.14	7.89	7.55	6.71
TRD855SCR-7	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45, 7.0ft (2.1m)	9.59	9.30	9.01	8.63	7.67
TRD855SCR-10	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45, 10.0ft (3.0m)	11.09	10.76	10.42	9.98	8.87
TRD855SCR-15	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45, 15.0ft (4.6m)	13.79	13.38	12.96	12.41	11.03
TRD855SCR-20	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45, 20.0ft (6.1m)	16.49	16.00	15.50	14.84	13.19
TRD855SCR-25	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45, 25.0ft (7.6m)	18.89	18.32	17.76	17.00	15.11
TRD855SCR-30	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45, 30.0ft (9.1m)	21.59	20.94	20.29	19.43	17.27
TRD855SCR-40	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45, 40.0ft (12.2m)	26.99	26.18	25.37	24.29	21.59
TRD855SCR-50	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45, 50.0ft (15.2m)	32.09	31.13	30.16	28.88	25.67
TRD855SCR-75	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45, 75.0ft (22.9m)	45.29	43.93	42.57	40.76	36.23
TRD855SCR-100	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45, 100.0ft (30.4m)	58.19	56.44	54.70	52.37	46.55
CA-POE-02	Cat5 PoE Conversion Cable for Cisco APs, 2.0ft (0.6m)	14.99	13.49	11.99	10.49	8.99

L-com® Global Connectivity

Connect with L-com Global Connectivity

Item #	Description	1-9	10-24	25-99	100-249	250-499
Switching Power Supplies						
PS909-21R	9 VDC @ 1A (9W), 2.1mm DC Plug	9.99	9.59	9.19	8.49	7.49
PS1212-21R	12 VDC @ 1A (12W), 2.1mm Right Angle DC Plug	12.99	12.47	11.95	11.04	9.74
PS1224-21R	12 VDC @ 2A (24W), 2.1mm Right Angle DC Plug	14.99	14.39	13.79	12.74	11.24
PS1240-21R	12 VDC @ 3.33A (40W), 2.1mm Right Angle DC Plug	21.99	21.11	20.23	18.69	16.49
PS1566	15 VDC @ 4.4A (66W), 2.1mm DC Plug	89.99	86.39	82.79	76.49	67.49
PS4870-25R	48 VDC @ 1.5A (70W), 2.5mm Right Angle DC Plug	59.00	56.64	54.28	50.15	44.25
PS4848-25R	48 VDC @ 1A (48W) 2.5mm Right Angle DC Plug	24.95	24.45	23.95	23.45	22.95
Lighter Plug to 2.1mm Right Angle DC Plug, 3A Fuse						
PS-LIGHTER-06	Cigarette Plug to 2.1mm Right Angle DC Plug, 3A Fuse, 6ft	9.99	9.59	9.19	8.49	7.49
Accessories						
PSX-EU1	US Flat or Euro Round to Euro 4.8mm Round A/C Adapter	3.99	3.59	3.19	2.79	2.39
PSX-EU2	EU 4/4.8mm Round to US NEMA 6-15R Flat A/C Adapter	3.99	3.59	3.19	2.79	2.39
PSCORD2	2 Conductor Plug, USA/AC Power Cord, 1.0ft (0.3m)	3.99	3.59	3.19	2.79	2.39
PSCORD3	3 Conductor Plug, USA/AC Power Cord, 1.0ft (0.3m)	2.99	2.75	2.51	2.27	2.03

Item #	Description	List Price

Planet 802.3at/af PoE Extenders

Planet's POE-PTE101 and POE-PTE201 are simple devices designed to extend both the reach of Ethernet Data and IEEE 802.3at / 802.3af Power over Ethernet over the standard 100m (328ft.) Cat5e/6 UTP cable to 200m, 300m or more. The POE-PTE101 is for use with standard Ethernet while the POE-PTE201 is designed for use with Gigabit applications.

POE-PTE101	IEEE 802.3af Power over Ethernet Extender	55.00
POE-PTE201	IEEE 802.3at/af Power over Gigabit Ethernet Extender	75.00

Planet 151 Series PoE Injector and Splitters

The Planet POE-PT151 is an IEEE 802.3af Power over Ethernet Injector that provides DC 48V over Ethernet Cat5 cables. This provides power to 802.3af PoE capable devices. For non-PoE capable devices, the POE-PT151S splits the power and data from the Cat5 cable allowing these devices to operate within a PoE based network. The POE-PT151S ships with two power cables with 2.0mm and 2.5mm female power connectors.

POE-PT151	48 VDC, PoE Injector, Includes Power Supply	39.00
POE-PT151S	5V/12V, PoE Splitter, Includes Power Cables	29.00

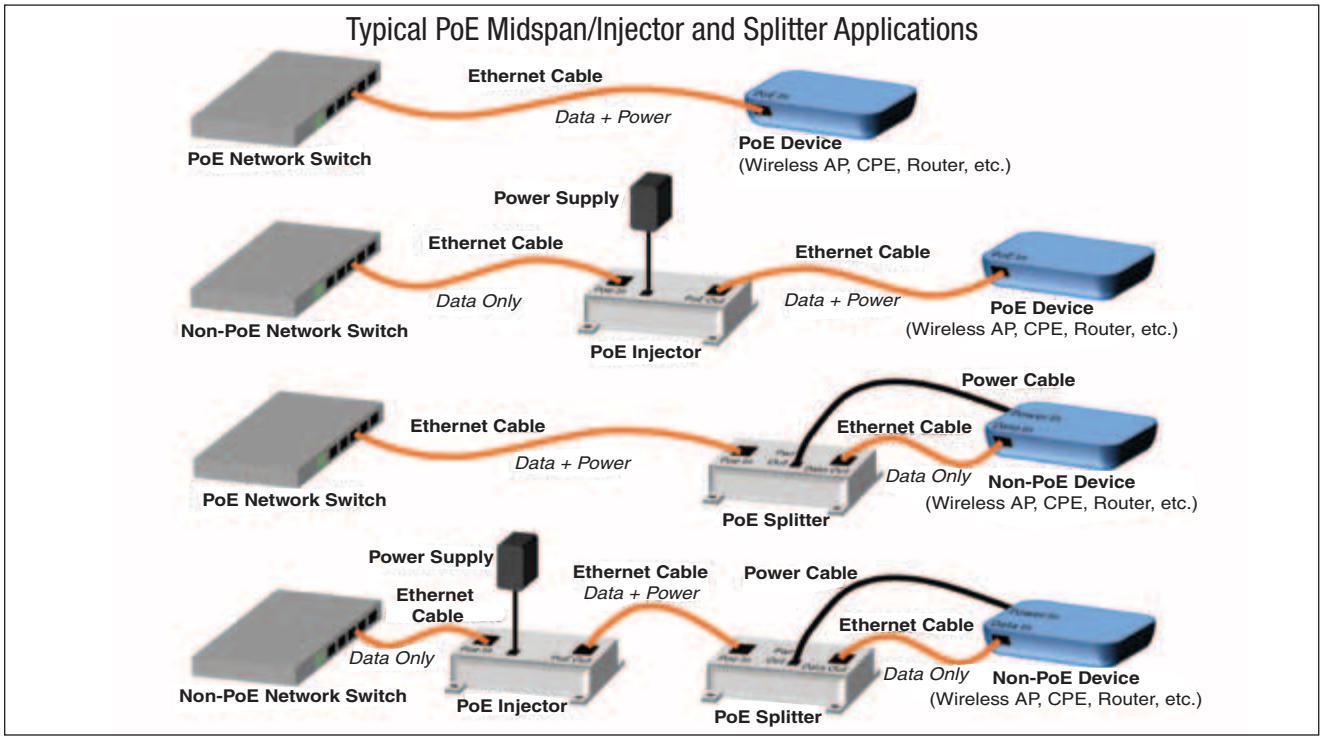
Planet 12 and 24 Port PoE Injector Hubs

The Planet POE-PT1200 and POE-PT2400 are 12-port and 24-port IEEE 802.3af Power over Ethernet injector hubs that comply with IEEE 802.3, IEEE 802.3u and IEEE 802.3af standards. Equipped with 12 or 24 10/100BASE-TX Fast Ethernet ports, the products support full 48VDC power for any remote IEEE802.3af powered devices. These hubs feature Web and Console management interfaces to allow administrators easy management access. NOTE: CANNOT BE USED WITH CISCO PoE PRODUCTS.

POE-PT1200	48 VDC, 12 Port PoE Injector Hub	259.00
POE-PT2400	48 VDC, 24 Port PoE Injector Hub	399.00



Typical PoE Midspan/Injector and Splitter Applications



To see our entire product offering
go to...L-com.com

L-com® Global Connectivity

Telecom / Modular - Premise Wiring Tutorial

What is Premise Wiring?
Premise Wiring is the cabling, connectors and accessories that are used to connect LAN (Local Area Network) and phone equipment inside a commercial building.

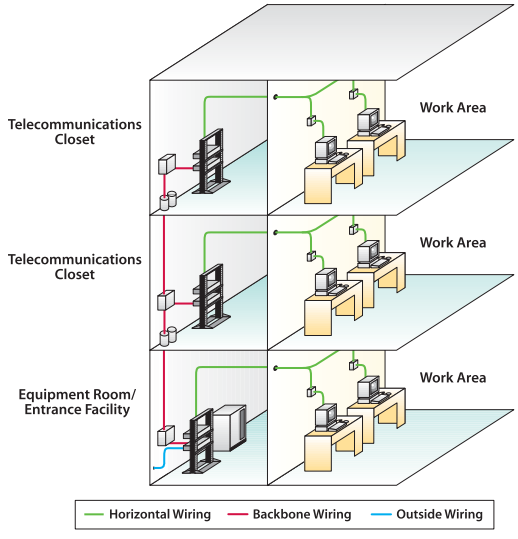
How is Premise Wiring used?
Premise Wiring is made up of vertical and horizontal cable runs from a central location throughout buildings to individual desktops.

Where is Premise Wiring used?
Premise wiring can be found in just about all public and private buildings, including educational and government buildings as well as in many newer homes.

Typical LAN Premise Wiring

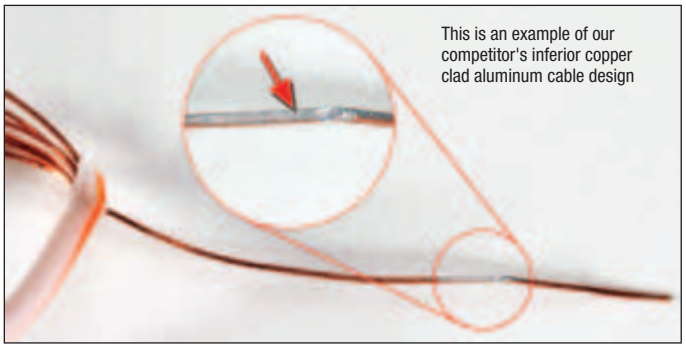
Wiring Notes:

1. Category 5e/6 unshielded twisted pair is the norm. Use 4 pair solid conductor inside the walls, 4 pair stranded for patch cords. Plenum rated cabling may be necessary depending upon fire codes in your area.
2. Maximum distance for a horizontal run is 90m plus an additional 10m for patching.
3. Fiber is the common choice for backbone wiring. It is also recommended for horizontal runs over 100m.

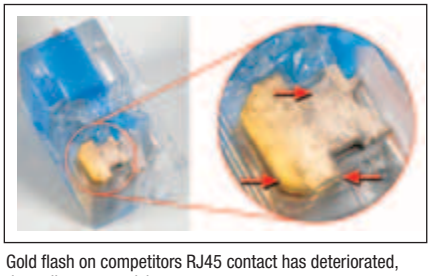


Approximately 70% of network downtime is due to faulty cables

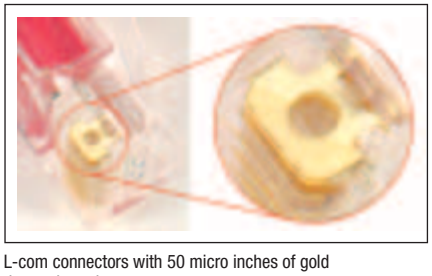
Quality Components are the building blocks of a reliable network



Cable
Many low cost telecom/modular cables use copper clad aluminum or copper clad steel. Aluminum and steel have much higher resistance than copper, resulting in increased data loss and low transmission speeds. L-com uses only pure copper conductors on its cables. Additionally, cable jackets can be made with less fireproofing materials than claimed and in some cases the writing on the jacket might state 24 AWG but is actually made from 25 or 26 AWG wire.



Gold flash on competitors RJ45 contact has deteriorated, degrading connectivity



L-com connectors with 50 micro inches of gold do not degrade

Connectors
Some competitor's connectors use only a gold flash where L-com ensures 50 micro inches or better of gold flash on our connectors.

Gold flash on connectors quickly rubs off, especially for patch cables. This can result in a measurably slower network and even dropped connectivity.

To view the entire article concerning counterfeit and low quality telecom/modular cables visit our web site: www.L-com.com/CableTest

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Ethernet Cable Applications

CONSTRUCTION



UTP
Used in controlled environments with very little to no EMI/RFI. Used in home, small office and Enterprise business networks.



Shielded
For environments where EMI/RFI is present, such as near motors, generators and other "noise" generating machines.



Double Shielded
Used in extremely high EMI/RFI environments such as factories and processing plants where "noise" generating equipment including generators, power transmission lines, and electric motors are present.



High Flex
Used in continuous motion applications such as a robot arm control cable in a manufacturing environment.

MATERIAL



PVC
Very common jacket and over mold compound used in basic small office/ home office (SOHO), small to medium business (SMB) and Enterprise network applications. PVC burns rapidly and releases hazardous gases when burned. Applications consist of general open space connectivity (not used in walls or ceilings).



LSZH
Low Smoke Zero Halogen cables produce very little smoke when burned and release no halogen compounds including Fluorine, Chlorine, and Bromine. This type of cabling is typically used in confined spaces where human lives and expensive communications equipment reside. LSZH is used on ships, submarines, aircraft, terrestrial vehicles etc.



Plenum
Plenum cabling is used in buildings in the plenum air space usually above ceiling tiles or in the plenum airspace under the flooring in a server room or data closet. Plenum cables will self extinguish and not re-ignite.



PUR
PUR or Polyurethane cabling is typically used in harsh or Industrial Ethernet networking applications where the presence of petroleum based contaminates, UV rays, and physical impacts occur. Applications include oil refineries, factory floor, manufacturing, processing industries (food and chemical) etc.

Download this helpful chart at www.L-com.com/EthernetCableGuide

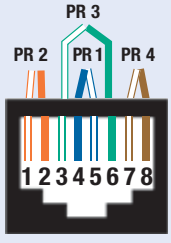
Common Wiring Standards for Data Communications

There are two common wiring standards for LAN wiring. When buying components such as jacks or patch panels, be sure to specify if you need EIA568A or EIA568B.



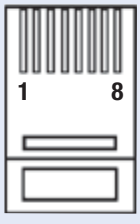
EIA/TIA568A WIRING

RJ45 Jack (8x8)

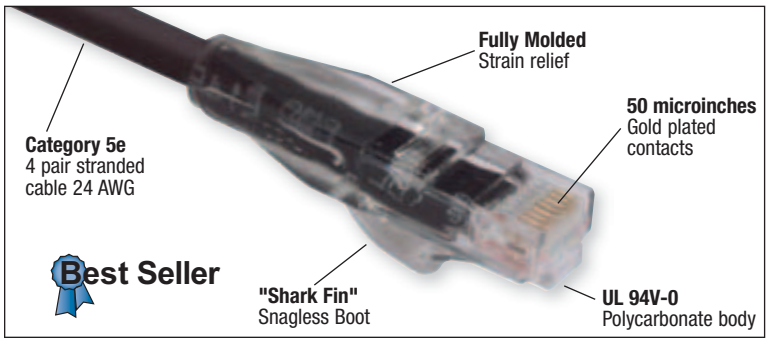


EIA/TIA568B AT&T 258A WIRING

RJ45 Plug (8x8)

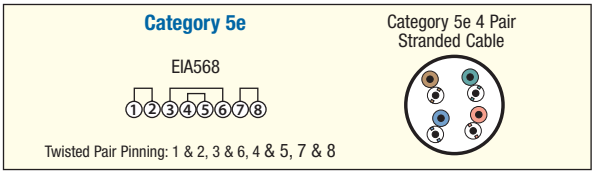


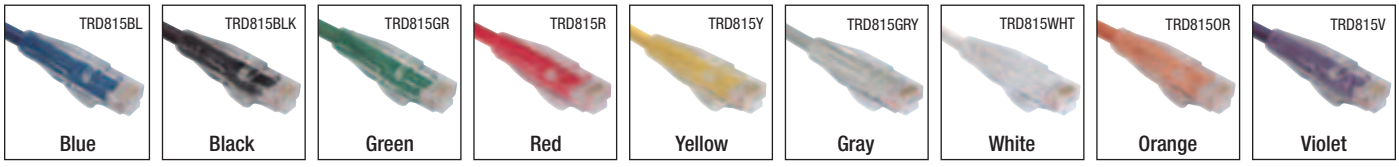
For more useful information go to.... L-com.com/Resources



Premium Category 5e RJ45 Molded Ethernet Patch Cords

Designed for today's high-density patch panels, these unique Category 5e molded patch cords feature an easy to depress "shark fin" snagless molded boot that makes connecting cables easier. The clear boot also allows the color of each cable to be easily seen on each port for easy cable identification. Each cable is tested for Category 5e performance to ensure maximum network throughput.





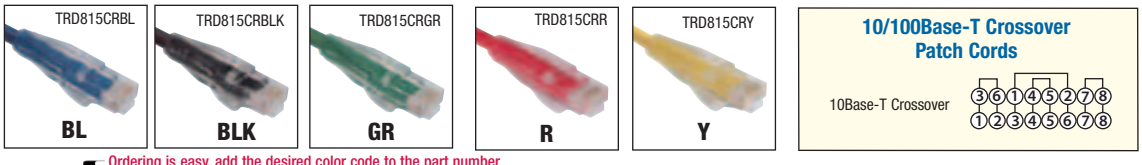
BL | **BLK** | **GR** | **R** | **Y** | **GRY** | **WHT** | **OR** | **V**

Ordering is easy, add the desired color code to the part number. Ex: TRD815BL-3

Item #	Description	Length	1-9	10-24	25-99	100-249	250-499
TRD815 __-3	Category 5e Patch Cord, RJ45 / RJ45	3.0ft (0.9m)	3.99	3.59	3.19	2.79	2.39
TRD815 __-5	Category 5e Patch Cord, RJ45 / RJ45	5.0ft (1.5m)	4.99	4.49	3.99	3.49	2.99
TRD815 __-7	Category 5e Patch Cord, RJ45 / RJ45	7.0ft (2.1m)	5.99	5.39	4.79	4.19	3.59
TRD815 __-10	Category 5e Patch Cord, RJ45 / RJ45	10.0ft (3.0m)	6.99	6.29	5.59	4.89	4.19
TRD815 __-14	Category 5e Patch Cord, RJ45 / RJ45	14.0ft (4.3m)	8.99	8.09	7.19	6.29	5.39
TRD815 __-25	Category 5e Patch Cord, RJ45 / RJ45	25.0ft (7.6m)	13.99	12.59	11.19	9.79	8.39
TRD815 __-50	Category 5e Patch Cord, RJ45 / RJ45	50.0ft (15.2m)	24.99	22.49	19.99	17.49	14.99
TRD815 __-75	Category 5e Patch Cord, RJ45 / RJ45	75.0ft (22.9m)	35.99	32.39	28.79	25.19	21.59
TRD815 __-100	Category 5e Patch Cord, RJ45 / RJ45	100.0ft (30.4m)	46.99	42.29	37.59	32.89	28.19

Premium Category 5e RJ45 Molded Crossover Ethernet Patch Cords

Also designed for today's high-density patch panels, these unique Category 5e molded patch cords feature an easy to depress "shark fin" snagless molded boot that makes connecting cables effortless. The clear boot also allows the color of each cable to be easily seen up to each port for easy cable identification. Each cable is crossover wired (EIA568A/B) for usage as either uplink connections or for direct connecting of two computers. Contact us today for all your patch cord needs.

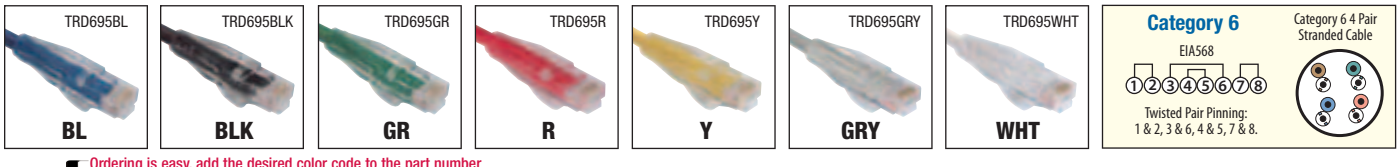


Ordering is easy, add the desired color code to the part number

TRD815CR __-3	10/100Base-T Crossover Patch Cord, RJ45 / RJ45	3.0ft (0.9m)	3.99	3.67	3.35	3.03	2.71
TRD815CR __-7	10/100Base-T Crossover Patch Cord, RJ45 / RJ45	7.0ft (2.1m)	5.99	5.51	5.03	4.55	4.07
TRD815CR __-10	10/100Base-T Crossover Patch Cord, RJ45 / RJ45	10.0ft (3.0m)	6.99	6.43	5.87	5.31	4.75
TRD815CR __-15	10/100Base-T Crossover Patch Cord, RJ45 / RJ45	15.0ft (4.6m)	8.99	8.27	7.55	6.83	6.11

Premium Category 6 RJ45 Hi-Speed Network Patch Cords

Competitive pricing and high quality is what makes L-com's Category 6 patch cords the right choice. Made with high performance 4-pair Category 6 cable and snagless plugs, these cables are ready to be installed in your network. Affordability and peace of mind are assured when choosing L-com's patch cords. Large volume OEM requests are welcomed with this series. Contact us today for all your patch cord needs.



Ordering is easy, add the desired color code to the part number

TRD695 __-1	Category 6 Patch Cord, RJ45 / RJ45	1.0ft (0.3m)	5.99	5.87	5.63	5.27	4.49
TRD695 __-3	Category 6 Patch Cord, RJ45 / RJ45	3.0ft (0.9m)	6.99	6.85	6.57	6.15	5.24
TRD695 __-5	Category 6 Patch Cord, RJ45 / RJ45	5.0ft (1.5m)	7.99	7.83	7.51	7.03	5.99
TRD695 __-7	Category 6 Patch Cord, RJ45 / RJ45	7.0ft (2.1m)	8.99	8.81	8.45	7.91	6.74
TRD695 __-10	Category 6 Patch Cord, RJ45 / RJ45	10.0ft (3.0m)	10.99	10.77	10.33	9.67	8.24
TRD695 __-14	Category 6 Patch Cord, RJ45 / RJ45	14.0ft (4.3m)	12.99	12.73	12.21	11.43	9.74
TRD695 __-25	Category 6 Patch Cord, RJ45 / RJ45	25.0ft (7.6m)	17.99	17.63	16.91	15.83	13.49
TRD695 __-50	Category 6 Patch Cord, RJ45 / RJ45	50.0ft (15.2m)	29.99	29.39	28.19	26.39	22.49
TRD695 __-75	Category 6 Patch Cord, RJ45 / RJ45	75.0ft (22.9m)	41.99	41.15	39.47	36.95	31.49
TRD695 __-100	Category 6 Patch Cord, RJ45 / RJ45	100.0ft (30.4m)	53.99	52.91	50.75	47.51	40.49

L-com Global Connectivity

Same day shipping
Orders placed before 4:00 EST ship the same day.

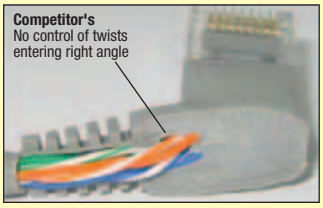
Premium Category 5e RJ45 Right Angle Ethernet Patch Cords

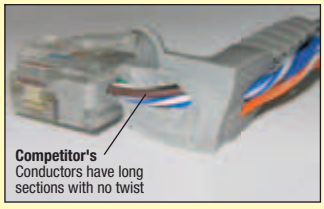
L-com's unique, patent pending, right angle patch cables provide true Category 5e performance at an affordable price. These newly designed right angle Ethernet patch cables feature a specialized channel separator and load bar to achieve Category 5e performance while maintaining a right angle bend. L-com's right angle cables are superior to competitor's right angle assemblies. We've tested it ourselves and the competitor's right angle cables do not pass Category 5e testing for NEXT or Return Loss since the twists of the individual pairs are not maintained through the strain relief and into the connector body. These industry first cables are perfect for use in tight fit applications and dense connectivity applications commonly found in data centers.

Tip *What makes L-com's Right Angle Category 5e cable design superior?*

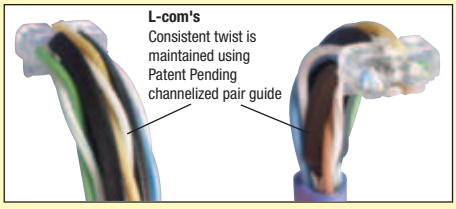
Our competitors' right angle cable designs are inferior as they do not maintain the proper pair twists as the cable enters the right angle. These cables have no mechanism for controlling the twisted pairs as they travel through the right angle strain relief. We tested these cables ourselves and they do not pass Cat5e testing for NEXT or Return Loss. L-com's unique patent pending design utilizes a specialized channel separator and load bar to maintain the twists through the right angle. L-com's right angle cables are truly Cat5e rated.

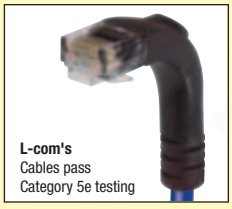
Competitors' Design



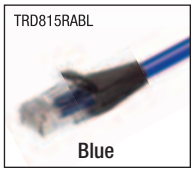


L-com's Patent Pending Design



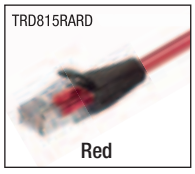














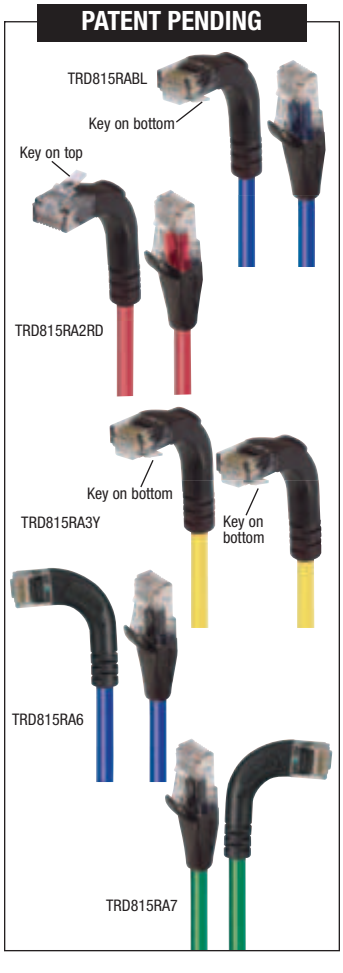


BLK	BL	GR	OR	RD	Y	GRY

Ordering is easy, add the desired color code to the part number. Ex: TRD815RABLK-3

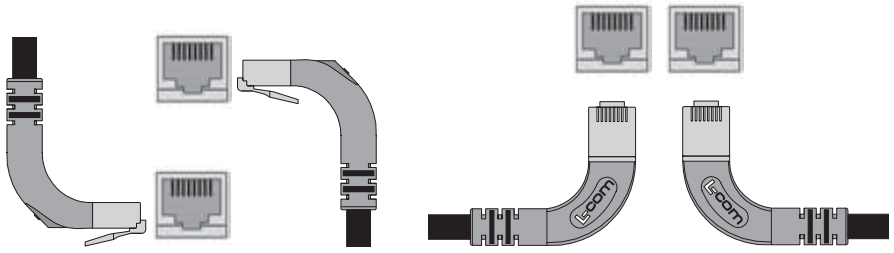
Item #	Description		Length	1-9	10-24	25-99	100-249	250-499
Premium Category 5e Patch Cords, Straight RJ45/ Down RJ45 -Key on Bottom								
TRD815RA __-1	Cat5e Patch Cord, RJ45 / RJ45	Straight / Down	1.0ft (0.3m)	4.79	4.65	4.50	4.31	3.83
TRD815RA __-2	Cat5e Patch Cord, RJ45 / RJ45	Straight / Down	2.0ft (0.6m)	5.09	4.94	4.78	4.58	4.07
TRD815RA __-3	Cat5e Patch Cord, RJ45 / RJ45	Straight / Down	3.0ft (0.9m)	5.39	5.23	5.07	4.85	4.31
TRD815RA __-5	Cat5e Patch Cord, RJ45 / RJ45	Straight / Down	5.0ft (1.5m)	5.99	5.81	5.63	5.39	4.79
TRD815RA __-7	Cat5e Patch Cord, RJ45 / RJ45	Straight / Down	7.0ft (2.1m)	6.59	6.39	6.19	5.93	5.27
TRD815RA __-10	Cat5e Patch Cord, RJ45 / RJ45	Straight / Down	10.0ft (3.0m)	7.79	7.56	7.32	7.01	6.23
Premium Category 5e Patch Cords, Straight RJ45/ Up RJ45 -Key on Top								
TRD815RA2 __-1	Cat5e Patch Cord, RJ45 / RJ45	Straight / Up	1.0ft (0.3m)	4.79	4.65	4.50	4.31	3.83
TRD815RA2 __-2	Cat5e Patch Cord, RJ45 / RJ45	Straight / Up	2.0ft (0.6m)	5.09	4.94	4.78	4.58	4.07
TRD815RA2 __-3	Cat5e Patch Cord, RJ45 / RJ45	Straight / Up	3.0ft (0.9m)	5.39	5.23	5.07	4.85	4.31
TRD815RA2 __-5	Cat5e Patch Cord, RJ45 / RJ45	Straight / Up	5.0ft (1.5m)	5.99	5.81	5.63	5.39	4.79
TRD815RA2 __-7	Cat5e Patch Cord, RJ45 / RJ45	Straight / Up	7.0ft (2.1m)	6.59	6.39	6.19	5.93	5.27
TRD815RA2 __-10	Cat5e Patch Cord, RJ45 / RJ45	Straight / Up	10.0ft (3.0m)	7.79	7.56	7.32	7.01	6.23
Premium Category 5e Patch Cords, Down RJ45 / Down RJ45 – Keys on Bottom								
TRD815RA3 __-1	Cat5e Patch Cord, RJ45 / RJ45	Down / Down	1.0ft (0.3m)	4.79	4.65	4.50	4.31	3.83
TRD815RA3 __-2	Cat5e Patch Cord, RJ45 / RJ45	Down / Down	2.0ft (0.6m)	5.09	4.94	4.78	4.58	4.07
TRD815RA3 __-3	Cat5e Patch Cord, RJ45 / RJ45	Down / Down	3.0ft (0.9m)	5.39	5.23	5.07	4.85	4.31
TRD815RA3 __-5	Cat5e Patch Cord, RJ45 / RJ45	Down / Down	5.0ft (1.5m)	5.99	5.81	5.63	5.39	4.79
TRD815RA3 __-7	Cat5e Patch Cord, RJ45 / RJ45	Down / Down	7.0ft (2.1m)	6.59	6.39	6.19	5.93	5.27
TRD815RA3 __-10	Cat5e Patch Cord, RJ45 / RJ45	Down / Down	10.0ft (3.0m)	7.79	7.56	7.32	7.01	6.23
Premium Category 5e Patch Cords, Straight RJ45 / Left RJ45								
TRD815RA6 __-1	Cat5e Patch Cord, RJ45 / RJ45	Straight / Left	1.0ft (0.3m)	4.79	4.65	4.50	4.31	3.83
TRD815RA6 __-2	Cat5e Patch Cord, RJ45 / RJ45	Straight / Left	2.0ft (0.6m)	5.09	4.94	4.78	4.58	4.07
TRD815RA6 __-3	Cat5e Patch Cord, RJ45 / RJ45	Straight / Left	3.0ft (0.9m)	5.39	5.23	5.07	4.85	4.31
TRD815RA6 __-5	Cat5e Patch Cord, RJ45 / RJ45	Straight / Left	5.0ft (1.5m)	5.99	5.81	5.63	5.39	4.79
TRD815RA6 __-7	Cat5e Patch Cord, RJ45 / RJ45	Straight / Left	7.0ft (2.1m)	6.59	6.39	6.19	5.93	5.27
TRD815RA6 __-10	Cat5e Patch Cord, RJ45 / RJ45	Straight / Left	10.0ft (3.0m)	7.79	7.56	7.32	7.01	6.23
Premium Category 5e Patch Cords, Straight RJ45 / Right RJ45								
TRD815RA7 __-1	Cat5e Patch Cord, RJ45 / RJ45	Straight / Right	1.0ft (0.3m)	4.79	4.65	4.50	4.31	3.83
TRD815RA7 __-2	Cat5e Patch Cord, RJ45 / RJ45	Straight / Right	2.0ft (0.6m)	5.09	4.94	4.78	4.58	4.07
TRD815RA7 __-3	Cat5e Patch Cord, RJ45 / RJ45	Straight / Right	3.0ft (0.9m)	5.39	5.23	5.07	4.85	4.31
TRD815RA7 __-5	Cat5e Patch Cord, RJ45 / RJ45	Straight / Right	5.0ft (1.5m)	5.99	5.81	5.63	5.39	4.79
TRD815RA7 __-7	Cat5e Patch Cord, RJ45 / RJ45	Straight / Right	7.0ft (2.1m)	6.59	6.39	6.19	5.93	5.27
TRD815RA7 __-10	Cat5e Patch Cord, RJ45 / RJ45	Straight / Right	10.0ft (3.0m)	7.79	7.56	7.32	7.01	6.23

PATENT PENDING



For more technical information and additional configurations
go to...L-com.com/RightAnglePatch

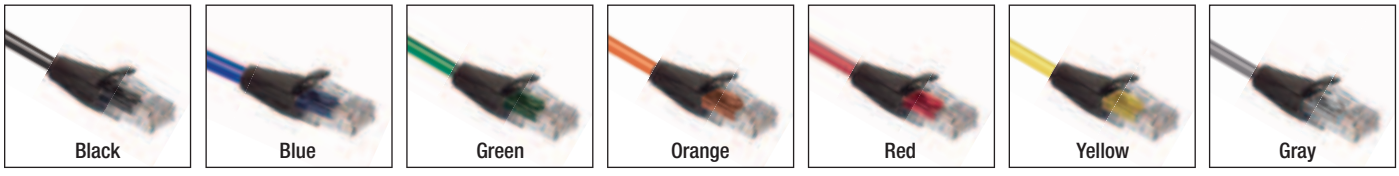
L-com® Global Connectivity



Exclusive

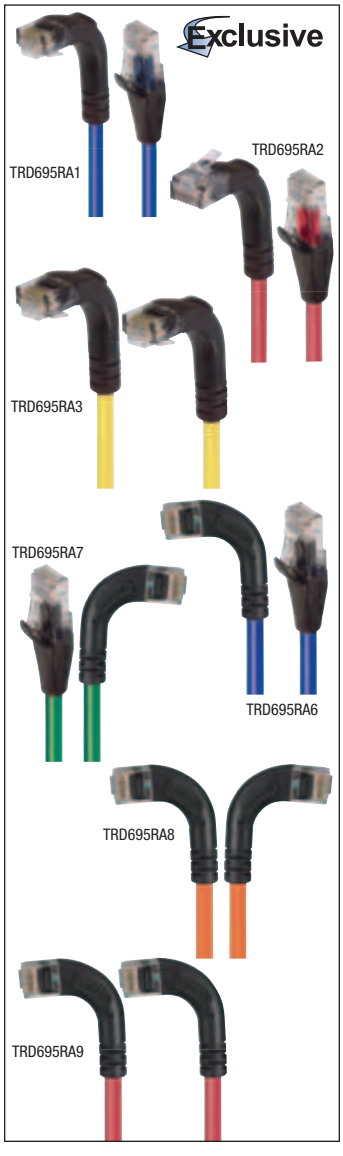
With L-com's unique right angle series, you can select from seven different colors and five boot directions (straight, right, left, up, down). Don't see the one you need? Check out **L-com.com** for every option (some just didn't make it into the catalog). Get category 5e performance and a right angle low profile connection with this new series of cables.

Patent Pending



BLK	BL	GR	OR	RD	Y	GRY

Ordering is easy, add the desired color code to the part number. Ex: TRD815RA6GR-3



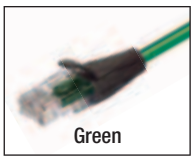
Item #	Description	Connector Orientation	Length	1-9	10-24	25-99	100-249	250-499
Premium Category 6 Patch Cords, Down RJ45 / Straight RJ45								
TRD695RA1 __-1	Cat6 Patch Cord, RJ45 / RJ45	Down / Straight	1.0ft (0.3m)	7.79	7.56	7.32	7.01	6.23
TRD695RA1 __-2	Cat6 Patch Cord, RJ45 / RJ45	Down / Straight	2.0ft (0.6m)	8.09	7.85	7.60	7.28	6.47
TRD695RA1 __-3	Cat6 Patch Cord, RJ45 / RJ45	Down / Straight	3.0ft (0.9m)	8.69	8.43	8.17	7.82	6.95
TRD695RA1 __-5	Cat6 Patch Cord, RJ45 / RJ45	Down / Straight	5.0ft (1.5m)	9.59	9.30	9.01	8.63	7.67
TRD695RA1 __-7	Cat6 Patch Cord, RJ45 / RJ45	Down / Straight	7.0ft (2.1m)	10.49	10.18	9.86	9.44	8.39
TRD695RA1 __-10	Cat6 Patch Cord, RJ45 / RJ45	Down / Straight	10.0ft (3.0m)	11.69	11.34	10.99	10.52	9.35
Premium Category 6 Patch Cords, Up RJ45 / Straight RJ45								
TRD695RA2 __-1	Cat6 Patch Cord, RJ45 / RJ45	Up / Straight	1.0ft (0.3m)	7.79	7.56	7.32	7.01	6.23
TRD695RA2 __-2	Cat6 Patch Cord, RJ45 / RJ45	Up / Straight	2.0ft (0.6m)	8.09	7.85	7.60	7.28	6.47
TRD695RA2 __-3	Cat6 Patch Cord, RJ45 / RJ45	Up / Straight	3.0ft (0.9m)	8.69	8.43	8.17	7.82	6.95
TRD695RA2 __-5	Cat6 Patch Cord, RJ45 / RJ45	Up / Straight	5.0ft (1.5m)	9.59	9.30	9.01	8.63	7.67
TRD695RA2 __-7	Cat6 Patch Cord, RJ45 / RJ45	Up / Straight	7.0ft (2.1m)	10.49	10.18	9.86	9.44	8.39
TRD695RA2 __-10	Cat6 Patch Cord, RJ45 / RJ45	Up / Straight	10.0ft (3.0m)	11.69	11.34	10.99	10.52	9.35
Premium Category 6 Patch Cords, Down RJ45 / Down RJ45								
TRD695RA3 __-1	Cat6 Patch Cord, RJ45 / RJ45	Down / Down	1.0ft (0.3m)	7.79	7.56	7.32	7.01	6.23
TRD695RA3 __-2	Cat6 Patch Cord, RJ45 / RJ45	Down / Down	2.0ft (0.6m)	8.09	7.85	7.60	7.28	6.47
TRD695RA3 __-3	Cat6 Patch Cord, RJ45 / RJ45	Down / Down	3.0ft (0.9m)	8.69	8.43	8.17	7.82	6.95
TRD695RA3 __-5	Cat6 Patch Cord, RJ45 / RJ45	Down / Down	5.0ft (1.5m)	9.59	9.30	9.01	8.63	7.67
TRD695RA3 __-7	Cat6 Patch Cord, RJ45 / RJ45	Down / Down	7.0ft (2.1m)	10.49	10.18	9.86	9.44	8.39
TRD695RA3 __-10	Cat6 Patch Cord, RJ45 / RJ45	Down / Down	10.0ft (3.0m)	11.69	11.34	10.99	10.52	9.35
Premium Category 6 Patch Cords, Straight RJ45 / Left RJ45								
TRD695RA6 __-1	Cat6 Patch Cord, RJ45 / RJ45	Straight / Left	1.0ft (0.3m)	7.79	7.56	7.32	7.01	6.23
TRD695RA6 __-2	Cat6 Patch Cord, RJ45 / RJ45	Straight / Left	2.0ft (0.6m)	8.09	7.85	7.60	7.28	6.47
TRD695RA6 __-3	Cat6 Patch Cord, RJ45 / RJ45	Straight / Left	3.0ft (0.9m)	8.69	8.43	8.17	7.82	6.95
TRD695RA6 __-5	Cat6 Patch Cord, RJ45 / RJ45	Straight / Left	5.0ft (1.5m)	9.59	9.30	9.01	8.63	7.67
TRD695RA6 __-7	Cat6 Patch Cord, RJ45 / RJ45	Straight / Left	7.0ft (2.1m)	10.49	10.18	9.86	9.44	8.39
TRD695RA6 __-10	Cat6 Patch Cord, RJ45 / RJ45	Straight / Left	10.0ft (3.0m)	11.69	11.34	10.99	10.52	9.35
Premium Category 6 Patch Cords, Straight RJ45 / Right RJ45								
TRD695RA7 __-1	Cat6 Patch Cord, RJ45 / RJ45	Straight / Right	1.0ft (0.3m)	7.79	7.56	7.32	7.01	6.23
TRD695RA7 __-2	Cat6 Patch Cord, RJ45 / RJ45	Straight / Right	2.0ft (0.6m)	8.09	7.85	7.60	7.28	6.47
TRD695RA7 __-3	Cat6 Patch Cord, RJ45 / RJ45	Straight / Right	3.0ft (0.9m)	8.69	8.43	8.17	7.82	6.95
TRD695RA7 __-5	Cat6 Patch Cord, RJ45 / RJ45	Straight / Right	5.0ft (1.5m)	9.59	9.30	9.01	8.63	7.67
TRD695RA7 __-7	Cat6 Patch Cord, RJ45 / RJ45	Straight / Right	7.0ft (2.1m)	10.49	10.18	9.86	9.44	8.39
TRD695RA7 __-10	Cat6 Patch Cord, RJ45 / RJ45	Straight / Right	10.0ft (3.0m)	11.69	11.34	10.99	10.52	9.35
Premium Category 6 Patch Cords, Left RJ45 / Right RJ45								
TRD695RA8 __-1	Cat6 Patch Cord, RJ45 / RJ45	Left / Right	1.0ft (0.3m)	7.79	7.56	7.32	7.01	6.23
TRD695RA8 __-2	Cat6 Patch Cord, RJ45 / RJ45	Left / Right	2.0ft (0.6m)	8.09	7.85	7.60	7.28	6.47
TRD695RA8 __-3	Cat6 Patch Cord, RJ45 / RJ45	Left / Right	3.0ft (0.9m)	8.69	8.43	8.17	7.82	6.95
TRD695RA8 __-5	Cat6 Patch Cord, RJ45 / RJ45	Left / Right	5.0ft (1.5m)	9.59	9.30	9.01	8.63	7.67
TRD695RA8 __-7	Cat6 Patch Cord, RJ45 / RJ45	Left / Right	7.0ft (2.1m)	10.49	10.18	9.86	9.44	8.39
TRD695RA8 __-10	Cat6 Patch Cord, RJ45 / RJ45	Left / Right	10.0ft (3.0m)	11.69	11.34	10.99	10.52	9.35
Premium Category 6 Patch Cords, Left RJ45 / Left RJ45								
TRD695RA9 __-1	Cat6 Patch Cord, RJ45 / RJ45	Left / Left	1.0ft (0.3m)	7.79	7.56	7.32	7.01	6.23
TRD695RA9 __-2	Cat6 Patch Cord, RJ45 / RJ45	Left / Left	2.0ft (0.6m)	8.09	7.85	7.60	7.28	6.47
TRD695RA9 __-3	Cat6 Patch Cord, RJ45 / RJ45	Left / Left	3.0ft (0.9m)	8.69	8.43	8.17	7.82	6.95
TRD695RA9 __-5	Cat6 Patch Cord, RJ45 / RJ45	Left / Left	5.0ft (1.5m)	9.59	9.30	9.01	8.63	7.67
TRD695RA9 __-7	Cat6 Patch Cord, RJ45 / RJ45	Left / Left	7.0ft (2.1m)	10.49	10.18	9.86	9.44	8.39
TRD695RA9 __-10	Cat6 Patch Cord, RJ45 / RJ45	Left / Left	10.0ft (3.0m)	11.69	11.34	10.99	10.52	9.35

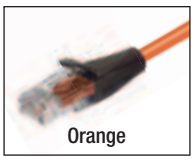
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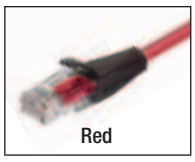
For more technical information
go to...L-com.com/RightAnglePatch


Black


Blue


Green


Orange


Red


Yellow


Gray

BLK	BL	GR	OR	RD	Y	GRY

Ordering is easy, add the desired color code to the part number. Ex: TRD815SRA3BLK-3

Item #	Description	Connector Orientation	Length	1-9	10-24	25-99	100-249	250-499
Premium Category 5e Shielded Patch Cords, Down RJ45 / Straight RJ45								
TRD815SRA1 __-1	Cat5e Shielded Patch Cord, RJ45 / RJ45	Down / Straight	1.0ft (0.3m)	9.39	9.11	8.83	8.45	7.51
TRD815SRA1 __-2	Cat5e Shielded Patch Cord, RJ45 / RJ45	Down / Straight	2.0ft (0.6m)	9.89	9.59	9.30	8.90	7.91
TRD815SRA1 __-3	Cat5e Shielded Patch Cord, RJ45 / RJ45	Down / Straight	3.0ft (0.9m)	10.29	9.98	9.67	9.26	8.23
TRD815SRA1 __-5	Cat5e Shielded Patch Cord, RJ45 / RJ45	Down / Straight	5.0ft (1.5m)	11.29	10.95	10.61	10.16	9.03
TRD815SRA1 __-7	Cat5e Shielded Patch Cord, RJ45 / RJ45	Down / Straight	7.0ft (2.1m)	12.19	11.82	11.46	10.97	9.75
TRD815SRA1 __-10	Cat5e Shielded Patch Cord, RJ45 / RJ45	Down / Straight	10.0ft (3.0m)	13.59	13.18	12.77	12.23	10.87
Premium Category 5e Shielded Patch Cords, Up RJ45 / Straight RJ45								
TRD815SRA2 __-1	Cat5e Shielded Patch Cord, RJ45 / RJ45	Up / Straight	1.0ft (0.3m)	9.39	9.11	8.83	8.45	7.51
TRD815SRA2 __-2	Cat5e Shielded Patch Cord, RJ45 / RJ45	Up / Straight	2.0ft (0.6m)	9.89	9.59	9.30	8.90	7.91
TRD815SRA2 __-3	Cat5e Shielded Patch Cord, RJ45 / RJ45	Up / Straight	3.0ft (0.9m)	10.29	9.98	9.67	9.26	8.23
TRD815SRA2 __-5	Cat5e Shielded Patch Cord, RJ45 / RJ45	Up / Straight	5.0ft (1.5m)	11.29	10.95	10.61	10.16	9.03
TRD815SRA2 __-7	Cat5e Shielded Patch Cord, RJ45 / RJ45	Up / Straight	7.0ft (2.1m)	12.19	11.82	11.46	10.97	9.75
TRD815SRA2 __-10	Cat5e Shielded Patch Cord, RJ45 / RJ45	Up / Straight	10.0ft (3.0m)	13.59	13.18	12.77	12.23	10.87
Premium Category 5e Shielded Patch Cords, Down RJ45 / Down RJ45								
TRD815SRA3 __-1	Cat5e Shielded Patch Cord, RJ45 / RJ45	Down / Down	1.0ft (0.3m)	9.39	9.11	8.83	8.45	7.51
TRD815SRA3 __-2	Cat5e Shielded Patch Cord, RJ45 / RJ45	Down / Down	2.0ft (0.6m)	9.89	9.59	9.30	8.90	7.91
TRD815SRA3 __-3	Cat5e Shielded Patch Cord, RJ45 / RJ45	Down / Down	3.0ft (0.9m)	10.29	9.98	9.67	9.26	8.23
TRD815SRA3 __-5	Cat5e Shielded Patch Cord, RJ45 / RJ45	Down / Down	5.0ft (1.5m)	11.29	10.95	10.61	10.16	9.03
TRD815SRA3 __-7	Cat5e Shielded Patch Cord, RJ45 / RJ45	Down / Down	7.0ft (2.1m)	12.19	11.82	11.46	10.97	9.75
TRD815SRA3 __-10	Cat5e Shielded Patch Cord, RJ45 / RJ45	Down / Down	10.0ft (3.0m)	13.59	13.18	12.77	12.23	10.87
Premium Category 5e Shielded Patch Cords, Straight RJ45 / Left RJ45								
TRD815SRA6 __-1	Cat5e Shielded Patch Cord, RJ45 / RJ45	Straight / Left	1.0ft (0.3m)	9.39	9.11	8.83	8.45	7.51
TRD815SRA6 __-2	Cat5e Shielded Patch Cord, RJ45 / RJ45	Straight / Left	2.0ft (0.6m)	9.89	9.59	9.30	8.90	7.91
TRD815SRA6 __-3	Cat5e Shielded Patch Cord, RJ45 / RJ45	Straight / Left	3.0ft (0.9m)	10.29	9.98	9.67	9.26	8.23
TRD815SRA6 __-5	Cat5e Shielded Patch Cord, RJ45 / RJ45	Straight / Left	5.0ft (1.5m)	11.29	10.95	10.61	10.16	9.03
TRD815SRA6 __-7	Cat5e Shielded Patch Cord, RJ45 / RJ45	Straight / Left	7.0ft (2.1m)	12.19	11.82	11.46	10.97	9.75
TRD815SRA6 __-10	Cat5e Shielded Patch Cord, RJ45 / RJ45	Straight / Left	10.0ft (3.0m)	13.59	13.18	12.77	12.23	10.87
Premium Category 5e Shielded Patch Cords, Straight RJ45 / Right RJ45								
TRD815SRA7 __-1	Cat5e Shielded Patch Cord, RJ45 / RJ45	Straight / Right	1.0ft (0.3m)	9.39	9.11	8.83	8.45	7.51
TRD815SRA7 __-2	Cat5e Shielded Patch Cord, RJ45 / RJ45	Straight / Right	2.0ft (0.6m)	9.89	9.59	9.30	8.90	7.91
TRD815SRA7 __-3	Cat5e Shielded Patch Cord, RJ45 / RJ45	Straight / Right	3.0ft (0.9m)	10.29	9.98	9.67	9.26	8.23
TRD815SRA7 __-5	Cat5e Shielded Patch Cord, RJ45 / RJ45	Straight / Right	5.0ft (1.5m)	11.29	10.95	10.61	10.16	9.03
TRD815SRA7 __-7	Cat5e Shielded Patch Cord, RJ45 / RJ45	Straight / Right	7.0ft (2.1m)	12.19	11.82	11.46	10.97	9.75
TRD815SRA7 __-10	Cat5e Shielded Patch Cord, RJ45 / RJ45	Straight / Right	10.0ft (3.0m)	13.59	13.18	12.77	12.23	10.87
Premium Category 6 Shielded Patch Cords, RJ45 to RJ45								
Premium Category 6 Shielded Patch Cords, Down RJ45 / Straight RJ45								
TRD695SRA1 __-1	Cat6 Shielded Patch Cord, RJ45 / RJ45	Down / Straight	1.0ft (0.3m)	8.69	8.43	8.17	7.82	6.95
TRD695SRA1 __-2	Cat6 Shielded Patch Cord, RJ45 / RJ45	Down / Straight	2.0ft (0.6m)	9.29	9.01	8.73	8.36	7.43
TRD695SRA1 __-3	Cat6 Shielded Patch Cord, RJ45 / RJ45	Down / Straight	3.0ft (0.9m)	9.99	9.69	9.39	8.99	7.99
TRD695SRA1 __-5	Cat6 Shielded Patch Cord, RJ45 / RJ45	Down / Straight	5.0ft (1.5m)	11.19	10.85	10.52	10.07	8.95
TRD695SRA1 __-7	Cat6 Shielded Patch Cord, RJ45 / RJ45	Down / Straight	7.0ft (2.1m)	12.49	12.12	11.74	11.24	9.99
TRD695SRA1 __-10	Cat6 Shielded Patch Cord, RJ45 / RJ45	Down / Straight	10.0ft (3.0m)	14.39	13.96	13.53	12.95	11.51
Premium Category 6 Shielded Patch Cords, Up RJ45 / Straight RJ45								
TRD695SRA2 __-1	Cat6 Shielded Patch Cord, RJ45 / RJ45	Up / Straight	1.0ft (0.3m)	8.69	8.43	8.17	7.82	6.95
TRD695SRA2 __-2	Cat6 Shielded Patch Cord, RJ45 / RJ45	Up / Straight	2.0ft (0.6m)	9.29	9.01	8.73	8.36	7.43
TRD695SRA2 __-3	Cat6 Shielded Patch Cord, RJ45 / RJ45	Up / Straight	3.0ft (0.9m)	9.99	9.69	9.39	8.99	7.99
TRD695SRA2 __-5	Cat6 Shielded Patch Cord, RJ45 / RJ45	Up / Straight	5.0ft (1.5m)	11.19	10.85	10.52	10.07	8.95
TRD695SRA2 __-7	Cat6 Shielded Patch Cord, RJ45 / RJ45	Up / Straight	7.0ft (2.1m)	12.49	12.12	11.74	11.24	9.99
TRD695SRA2 __-10	Cat6 Shielded Patch Cord, RJ45 / RJ45	Up / Straight	10.0ft (3.0m)	14.39	13.96	13.53	12.95	11.51
Premium Category 6 Shielded Patch Cords, Down RJ45 / Down RJ45								
TRD695SRA3 __-1	Cat6 Shielded Patch Cord, RJ45 / RJ45	Down / Down	1.0ft (0.3m)	8.69	8.43	8.17	7.82	6.95
TRD695SRA3 __-2	Cat6 Shielded Patch Cord, RJ45 / RJ45	Down / Down	2.0ft (0.6m)	9.29	9.01	8.73	8.36	7.43
TRD695SRA3 __-3	Cat6 Shielded Patch Cord, RJ45 / RJ45	Down / Down	3.0ft (0.9m)	9.99	9.69	9.39	8.99	7.99
TRD695SRA3 __-5	Cat6 Shielded Patch Cord, RJ45 / RJ45	Down / Down	5.0ft (1.5m)	11.19	10.85	10.52	10.07	8.95
TRD695SRA3 __-7	Cat6 Shielded Patch Cord, RJ45 / RJ45	Down / Down	7.0ft (2.1m)	12.49	12.12	11.74	11.24	9.99
TRD695SRA3 __-10	Cat6 Shielded Patch Cord, RJ45 / RJ45	Down / Down	10.0ft (3.0m)	14.39	13.96	13.53	12.95	11.51
Premium Category 6 Shielded Patch Cords, Straight RJ45 / Left RJ45								
TRD695SRA6 __-1	Cat6 Shielded Patch Cord, RJ45 / RJ45	Straight / Left	1.0ft (0.3m)	8.69	8.43	8.17	7.82	6.95
TRD695SRA6 __-2	Cat6 Shielded Patch Cord, RJ45 / RJ45	Straight / Left	2.0ft (0.6m)	9.29	9.01	8.73	8.36	7.43
TRD695SRA6 __-3	Cat6 Shielded Patch Cord, RJ45 / RJ45	Straight / Left	3.0ft (0.9m)	9.99	9.69	9.39	8.99	7.99
TRD695SRA6 __-5	Cat6 Shielded Patch Cord, RJ45 / RJ45	Straight / Left	5.0ft (1.5m)	11.19	10.85	10.52	10.07	8.95
TRD695SRA6 __-7	Cat6 Shielded Patch Cord, RJ45 / RJ45	Straight / Left	7.0ft (2.1m)	12.49	12.12	11.74	11.24	9.99
TRD695SRA6 __-10	Cat6 Shielded Patch Cord, RJ45 / RJ45	Straight / Left	10.0ft (3.0m)	14.39	13.96	13.53	12.95	11.51
Premium Category 6 Shielded Patch Cords, Straight RJ45 / Right RJ45								
TRD695SRA7 __-1	Cat6 Shielded Patch Cord, RJ45 / RJ45	Straight / Right	1.0ft (0.3m)	8.69	8.43	8.17	7.82	6.95
TRD695SRA7 __-2	Cat6 Shielded Patch Cord, RJ45 / RJ45	Straight / Right	2.0ft (0.6m)	9.29	9.01	8.73	8.36	7.43
TRD695SRA7 __-3	Cat6 Shielded Patch Cord, RJ45 / RJ45	Straight / Right	3.0ft (0.9m)	9.99	9.69	9.39	8.99	7.99
TRD695SRA7 __-5	Cat6 Shielded Patch Cord, RJ45 / RJ45	Straight / Right	5.0ft (1.5m)	11.19	10.85	10.52	10.07	8.95
TRD695SRA7 __-7	Cat6 Shielded Patch Cord, RJ45 / RJ45	Straight / Right	7.0ft (2.1m)	12.49	12.12	11.74	11.24	9.99
TRD695SRA7 __-10	Cat6 Shielded Patch Cord, RJ45 / RJ45	Straight / Right	10.0ft (3.0m)	14.39	13.96	13.53	12.95	11.51

Exclusive Patent Pending


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TRD695SRA1


TRD815SRA2
TRD695SRA2


TRD815SRA3
TRD695SRA3

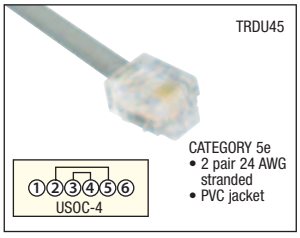

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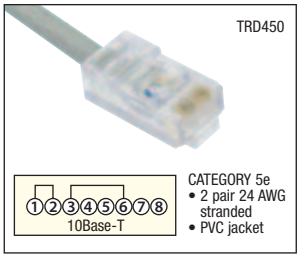

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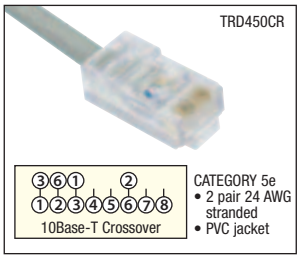
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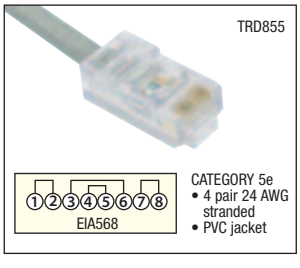
L-com Global Connectivity

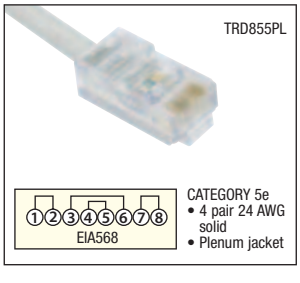
Unshielded Patch Cords











Item #	Description	Color	1-9	10-24	25-99	100-249	250-499

Unshielded Twisted Pair Patch Cords - Category 5e, For Most Network Environments

L-com offers the high quality Category 5e patch cords for use in today's rapidly changing network environments. Category 5e calls for 100 MHz bandwidth @ 100 Mbps data rate which is currently more than adequate for standard Ethernet environments. Unshielded assemblies are manufactured with UL Listed 24 AWG stranded cable with PVC jacket. Plugs have 50 microinches of gold; assemblies tested 100% prior to shipping.

Category 5e RJ11 to RJ11 Patch Cords - 2 Pair Stranded for 4 and 16 Mb Token Ring

TRDU45-2	Cat5e USOC-4 Patch Cord, RJ11 / RJ11, 2.0ft (0.6m)	Beige	3.36	3.16	2.96	2.76	2.55
TRDU45-3	Cat5e USOC-4 Patch Cord, RJ11 / RJ11, 3.0ft (0.9m)	Beige	3.60	3.38	3.17	2.95	2.74
TRDU45-5	Cat5e USOC-4 Patch Cord, RJ11 / RJ11, 5.0ft (1.5m)	Beige	4.08	3.84	3.59	3.35	3.10
TRDU45-7	Cat5e USOC-4 Patch Cord, RJ11 / RJ11, 7.0ft (2.1m)	Beige	4.56	4.29	4.01	3.74	3.47
TRDU45-10	Cat5e USOC-4 Patch Cord, RJ11 / RJ11, 10.0ft (3.0m)	Beige	5.28	4.96	4.65	4.33	4.01
TRDU45-15	Cat5e USOC-4 Patch Cord, RJ11 / RJ11, 15.0ft (4.6m)	Beige	6.48	6.09	5.70	5.31	4.92
TRDU45-25	Cat5e USOC-4 Patch Cord, RJ11 / RJ11, 25.0ft (7.6m)	Beige	8.88	8.35	7.81	7.28	6.75
TRDU45-50	Cat5e USOC-4 Patch Cord, RJ11 / RJ11, 50.0ft (15.2m)	Beige	14.88	13.99	13.09	12.20	11.31
TRDU45-100	Cat5e USOC-4 Patch Cord, RJ11 / RJ11, 100.0ft (30.4m)	Beige	26.88	25.27	23.65	22.04	20.43

Twisted Pair Pinning: 2 & 5, 3 & 4.

Category 5e RJ45 to RJ45 Patch Cords - 2 Pair Stranded 24 AWG for Ethernet

TRD450-2	Cat5e 10Base-T Patch Cord, RJ45 / RJ45, 2.0ft (0.6m)	Beige	4.48	4.21	3.94	3.67	3.40
TRD450-3	Cat5e 10Base-T Patch Cord, RJ45 / RJ45, 3.0ft (0.9m)	Beige	4.72	4.44	4.15	3.87	3.59
TRD450-5	Cat5e 10Base-T Patch Cord, RJ45 / RJ45, 5.0ft (1.5m)	Beige	5.20	4.89	4.58	4.26	3.95
TRD450-7	Cat5e 10Base-T Patch Cord, RJ45 / RJ45, 7.0ft (2.1m)	Beige	5.68	5.34	5.00	4.66	4.32
TRD450-10	Cat5e 10Base-T Patch Cord, RJ45 / RJ45, 10.0ft (3.0m)	Beige	6.40	6.02	5.63	5.25	4.86
TRD450-15	Cat5e 10Base-T Patch Cord, RJ45 / RJ45, 15.0ft (4.6m)	Beige	7.60	7.14	6.69	6.23	5.78
TRD450-25	Cat5e 10Base-T Patch Cord, RJ45 / RJ45, 25.0ft (7.6m)	Beige	10.00	9.40	8.80	8.20	7.60
TRD450-50	Cat5e 10Base-T Patch Cord, RJ45 / RJ45, 50.0ft (15.2m)	Beige	16.00	15.04	14.08	13.12	12.16
TRD450-100	Cat5e 10Base-T Patch Cord, RJ45 / RJ45, 100.0ft (30.4m)	Beige	28.00	26.32	24.64	22.96	21.28

Twisted Pair Pinning: 1 & 2, 3 & 6.

Category 5e RJ45 to RJ45 Crossover Patch Cords - 2 Pair Stranded for Ethernet Hub Stacking

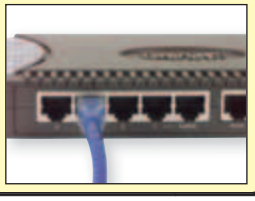
TRD450CR-2	Cat5e 10Base-T Crossover Patch Cord, RJ45 / RJ45, 2.0ft (0.6m)	Beige	4.48	4.21	3.94	3.67	3.40
TRD450CR-3	Cat5e 10Base-T Crossover Patch Cord, RJ45 / RJ45, 3.0ft (0.9m)	Beige	4.72	4.44	4.15	3.87	3.59
TRD450CR-5	Cat5e 10Base-T Crossover Patch Cord, RJ45 / RJ45, 5.0ft (1.5m)	Beige	5.20	4.89	4.58	4.26	3.95
TRD450CR-7	Cat5e 10Base-T Crossover Patch Cord, RJ45 / RJ45, 7.0ft (2.1m)	Beige	5.68	5.34	5.00	4.66	4.32
TRD450CR-10	Cat5e 10Base-T Crossover Patch Cord, RJ45 / RJ45, 10.0ft (3.0m)	Beige	6.40	6.02	5.63	5.25	4.86
TRD450CR-15	Cat5e 10Base-T Crossover Patch Cord, RJ45 / RJ45, 15.0ft (4.6m)	Beige	7.60	7.14	6.69	6.23	5.78
TRD450CR-25	Cat5e 10Base-T Crossover Patch Cord, RJ45 / RJ45, 25.0ft (7.6m)	Beige	10.00	9.40	8.80	8.20	7.60
TRD450CR-50	Cat5e 10Base-T Crossover Patch Cord, RJ45 / RJ45, 50.0ft (15.2m)	Beige	16.00	15.04	14.08	13.12	12.16
TRD450CR-100	Cat5e 10Base-T Crossover Patch Cord, RJ45 / RJ45, 100.0ft (30.4m)	Beige	28.00	26.32	24.64	22.96	21.28

1 & 2, 3 & 6 Crossover allows Ethernet Hub Stacking.

Tip

Which patch cords are best for a 10/100 Mbps Ethernet network?

Any of the TRD815 series patch cords found on page 40 will work effectively for ethernet networks. Choosing different colors for separate network segments in your wiring closet makes troubleshooting quick and easy.



Category 5e RJ45 to RJ45 Patch Cords - 4 Pair Stranded for EIA568 Wiring

TRD855-1	Cat5e EIA568 Patch Cord, RJ45 / RJ45, 1.0ft (0.3m)	Beige	1.79	1.74	1.68	1.61	1.43
TRD855-2	Cat5e EIA568 Patch Cord, RJ45 / RJ45, 2.0ft (0.6m)	Beige	2.09	2.03	1.96	1.88	1.67
TRD855-3	Cat5e EIA568 Patch Cord, RJ45 / RJ45, 3.0ft (0.9m)	Beige	2.39	2.32	2.25	2.15	1.91
TRD855-5	Cat5e EIA568 Patch Cord, RJ45 / RJ45, 5.0ft (1.5m)	Beige	2.99	2.90	2.81	2.69	2.39
TRD855-7	Cat5e EIA568 Patch Cord, RJ45 / RJ45, 7.0ft (2.1m)	Beige	3.69	3.58	3.47	3.32	2.95
TRD855-10	Cat5e EIA568 Patch Cord, RJ45 / RJ45, 10.0ft (3.0m)	Beige	4.59	4.45	4.31	4.13	3.67
TRD855-15	Cat5e EIA568 Patch Cord, RJ45 / RJ45, 15.0ft (4.6m)	Beige	6.19	6.00	5.82	5.57	4.95
TRD855-25	Cat5e EIA568 Patch Cord, RJ45 / RJ45, 25.0ft (7.6m)	Beige	9.29	9.01	8.73	8.36	7.43
TRD855-50	Cat5e EIA568 Patch Cord, RJ45 / RJ45, 50.0ft (15.2m)	Beige	17.09	16.58	16.06	15.38	13.67
TRD855-100	Cat5e EIA568 Patch Cord, RJ45 / RJ45, 100.0ft (30.4m)	Beige	32.69	31.71	30.73	29.42	26.15

Twisted Pair Pinning: 1 & 2, 3 & 6, 4 & 5, 7 & 8

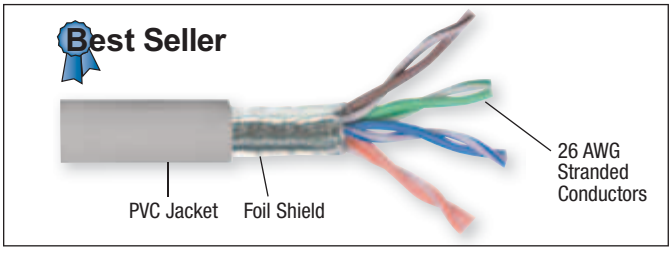
Category 5e RJ45 to RJ45 Plenum Patch Cords - 4 Pair Solid for EIA568 Wiring

TRD855PL-1	Cat5e EIA568 Plenum Patch Cord, RJ45 / RJ45, 1.0ft (0.3m)	Beige	11.99	11.75	11.27	10.55	8.99
TRD855PL-2	Cat5e EIA568 Plenum Patch Cord, RJ45 / RJ45, 2.0ft (0.6m)	Beige	12.49	12.24	11.74	10.99	9.37
TRD855PL-3	Cat5e EIA568 Plenum Patch Cord, RJ45 / RJ45, 3.0ft (0.9m)	Beige	12.99	12.73	12.21	11.43	9.74
TRD855PL-5	Cat5e EIA568 Plenum Patch Cord, RJ45 / RJ45, 5.0ft (1.5m)	Beige	13.99	13.71	13.15	12.31	10.49
TRD855PL-7	Cat5e EIA568 Plenum Patch Cord, RJ45 / RJ45, 7.0ft (2.1m)	Beige	15.49	15.18	14.56	13.63	11.62
TRD855PL-10	Cat5e EIA568 Plenum Patch Cord, RJ45 / RJ45, 10.0ft (3.0m)	Beige	16.99	16.65	15.97	14.95	12.74
TRD855PL-15	Cat5e EIA568 Plenum Patch Cord, RJ45 / RJ45, 15.0ft (4.6m)	Beige	19.99	19.59	18.79	17.59	14.99
TRD855PL-25	Cat5e EIA568 Plenum Patch Cord, RJ45 / RJ45, 25.0ft (7.6m)	Beige	25.99	25.47	24.43	22.87	19.49
TRD855PL-50	Cat5e EIA568 Plenum Patch Cord, RJ45 / RJ45, 50.0ft (15.2m)	Beige	40.99	40.17	38.53	36.07	30.74
TRD855PL-75	Cat5e EIA568 Plenum Patch Cord, RJ45 / RJ45, 75.0ft (22.9m)	Beige	55.99	54.87	52.63	49.27	41.99
TRD855PL-100	Cat5e EIA568 Plenum Patch Cord, RJ45 / RJ45, 100.0ft (30.4m)	Beige	70.99	69.57	66.73	62.47	53.24
TRD855PL-150	Cat5e EIA568 Plenum Patch Cord, RJ45 / RJ45, 150.0ft (45.7m)	Beige	100.99	98.97	94.93	88.87	75.74
TRD855PL-200	Cat5e EIA568 Plenum Patch Cord, RJ45 / RJ45, 200.0ft (60.9m)	Beige	130.99	128.37	123.13	115.27	98.24
TRD855PL-250	Cat5e EIA568 Plenum Patch Cord, RJ45 / RJ45, 250.0ft (76.2m)	Beige	160.99	157.77	151.33	141.67	120.74
TRD855PL-300	Cat5e EIA568 Plenum Patch Cord, RJ45 / RJ45, 300.0ft (91.4m)	Beige	190.99	187.17	179.53	168.07	143.24

Twisted Pair Pinning: 1 & 2, 3 & 6, 4 & 5, 7 & 8

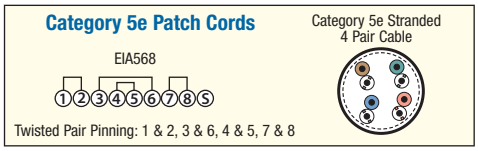
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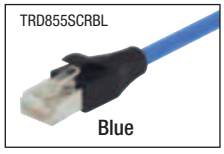


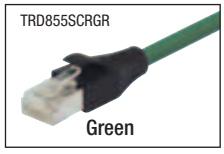
Category 5e Shielded Patch Cords - 4 Pair For EIA568 Wiring

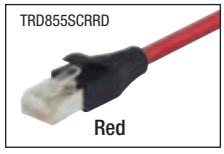
For protection against EMI/RFI interference, L-com's economical shielded patch cables are ideal. With a 100% foil shield covering and 4-Pair 26 AWG stranded conductors, your data is protected from interference. This series is designed to perform to EIA568 standards.















BLK	BL	GR	RD	Y	*---

Ordering is easy, add the desired color code to the part number. Ex: TRD855SCRBLK-3.

*Note: No suffix necessary for Gray assemblies.

Item #	Description	Length	1-9	10-24	25-99	100-249	250-499
TRD855SCR __-1	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45	1.0ft (0.3m)	6.29	6.10	5.91	5.66	5.03
TRD855SCR __-2	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45	2.0ft (0.6m)	6.89	6.68	6.48	6.20	5.51
TRD855SCR __-3	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45	3.0ft (0.9m)	7.49	7.27	7.04	6.74	5.99
TRD855SCR __-5	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45	5.0ft (1.5m)	8.39	8.14	7.89	7.55	6.71
TRD855SCR __-7	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45	7.0ft (2.1m)	9.59	9.30	9.01	8.63	7.67
TRD855SCR __-10	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45	10.0ft (3.0m)	11.09	10.76	10.42	9.98	8.87
TRD855SCR __-15	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45	15.0ft (4.6m)	13.79	13.38	12.96	12.41	11.03
TRD855SCR __-20	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45	20.0ft (6.1m)	16.49	16.00	15.50	14.84	13.19
TRD855SCR __-25	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45	25.0ft (7.6m)	18.89	18.32	17.76	17.00	15.11
TRD855SCR __-30	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45	30.0ft (9.1m)	21.59	20.94	20.29	19.43	17.27
TRD855SCR __-40	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45	40.0ft (12.2m)	26.99	26.18	25.37	24.29	21.59
TRD855SCR __-50	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45	50.0ft (15.2m)	32.09	31.13	30.16	28.88	25.67
TRD855SCR __-75	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45	75.0ft (22.9m)	45.29	43.93	42.57	40.76	36.23
TRD855SCR __-100	Shielded Cat5e EIA568 Patch Cord, RJ45 / RJ45	100.0ft (30.4m)	58.19	56.44	54.70	52.37	46.55
	Twisted Pair Pinning: 1 & 2, 3 & 6, 4 & 5, 7 & 8.						

Shielded Category 5e Patch Cords with RJ45 (8x8) and RJ11 (6x4) Connectors

These screened (shielded) patch cords are great for use in electrically noisy environments where EMI is an issue. These assemblies utilize two or four pair cabling covered by a foil or foil+braid shield. Now available in flexible PVC and plenum jacket formulations. Assemblies are 100% tested and individually bagged.

Category 5e Shielded RJ11 to RJ11 Patch Cords - 2 Pair USOC Wiring

Item #	Description	Color	1-9	10-24	25-99	100-249	250-499
TRDU45SCR-2	Shielded Cat5e USOC-4 Patch Cord, RJ11 / RJ11, 2.0ft (0.6m)	Beige	4.90	4.41	3.92	3.43	2.94
TRDU45SCR-3	Shielded Cat5e USOC-4 Patch Cord, RJ11 / RJ11, 3.0ft (0.9m)	Beige	5.35	4.82	4.28	3.75	3.21
TRDU45SCR-5	Shielded Cat5e USOC-4 Patch Cord, RJ11 / RJ11, 5.0ft (1.5m)	Beige	6.25	5.63	5.00	4.38	3.75
TRDU45SCR-7	Shielded Cat5e USOC-4 Patch Cord, RJ11 / RJ11, 7.0ft (2.1m)	Beige	7.15	6.44	5.72	5.00	4.29
TRDU45SCR-10	Shielded Cat5e USOC-4 Patch Cord, RJ11 / RJ11, 10.0ft (3.0m)	Beige	8.50	7.65	6.80	5.95	5.10
TRDU45SCR-15	Shielded Cat5e USOC-4 Patch Cord, RJ11 / RJ11, 15.0ft (4.6m)	Beige	10.75	9.68	8.60	7.52	6.45
TRDU45SCR-25	Shielded Cat5e USOC-4 Patch Cord, RJ11 / RJ11, 25.0ft (7.6m)	Beige	15.25	13.72	12.20	10.67	9.15
TRDU45SCR-50	Shielded Cat5e USOC-4 Patch Cord, RJ11 / RJ11, 50.0ft (15.2m)	Beige	26.50	23.85	21.20	18.55	15.90
TRDU45SCR-100	Shielded Cat5e USOC-4 Patch Cord, RJ11 / RJ11, 100.0ft (30.4m)	Beige	49.00	44.10	39.20	34.30	29.40
	Twisted Pair Pinning: 2 & 5, 3 & 4						

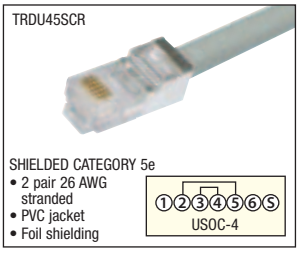
Category 5e Shielded RJ45 to RJ45 Plenum Patch Cords - 4 Pair Solid for EIA568 Wiring

TRD815SPL-1	Shielded Cat5e Plenum Patch Cord, RJ45 / RJ45, 1.0ft (0.3m)	Blue	24.99	24.49	23.49	21.99	18.74
TRD815SPL-2	Shielded Cat5e Plenum Patch Cord, RJ45 / RJ45, 2.0ft (0.6m)	Blue	26.49	25.96	24.90	23.31	19.87
TRD815SPL-3	Shielded Cat5e Plenum Patch Cord, RJ45 / RJ45, 3.0ft (0.9m)	Blue	27.99	27.43	26.31	24.63	20.99
TRD815SPL-5	Shielded Cat5e Plenum Patch Cord, RJ45 / RJ45, 5.0ft (1.5m)	Blue	30.99	30.37	29.13	27.27	23.24
TRD815SPL-7	Shielded Cat5e Plenum Patch Cord, RJ45 / RJ45, 7.0ft (2.1m)	Blue	33.99	33.31	31.95	29.91	25.49
TRD815SPL-10	Shielded Cat5e Plenum Patch Cord, RJ45 / RJ45, 10.0ft (3.0m)	Blue	38.49	37.72	36.18	33.87	28.87
TRD815SPL-15	Shielded Cat5e Plenum Patch Cord, RJ45 / RJ45, 15.0ft (4.6m)	Blue	45.99	45.07	43.23	40.47	34.49
TRD815SPL-25	Shielded Cat5e Plenum Patch Cord, RJ45 / RJ45, 25.0ft (7.6m)	Blue	60.99	59.77	57.33	53.67	45.74
TRD815SPL-50	Shielded Cat5e Plenum Patch Cord, RJ45 / RJ45, 50.0ft (15.2m)	Blue	98.49	96.52	92.58	86.67	73.87
TRD815SPL-75	Shielded Cat5e Plenum Patch Cord, RJ45 / RJ45, 75.0ft (22.9m)	Blue	135.99	133.27	127.83	119.67	101.99
TRD815SPL-100	Shielded Cat5e Plenum Patch Cord, RJ45 / RJ45, 100.0ft (30.4m)	Blue	173.49	170.02	163.08	152.67	130.12
TRD815SPL-150	Shielded Cat5e Plenum Patch Cord, RJ45 / RJ45, 150.0ft (45.7m)	Blue	248.49	243.52	233.58	218.67	186.37
TRD815SPL-200	Shielded Cat5e Plenum Patch Cord, RJ45 / RJ45, 200.0ft (60.9m)	Blue	323.49	317.02	304.08	284.67	242.62
TRD815SPL-250	Shielded Cat5e Plenum Patch Cord, RJ45 / RJ45, 250.0ft (76.2m)	Blue	398.49	390.52	374.58	350.67	298.87
TRD815SPL-300	Shielded Cat5e Plenum Patch Cord, RJ45 / RJ45, 300.0ft (91.4m)	Blue	473.49	464.02	445.08	416.67	355.12
	Twisted Pair Pinning: 1 & 2, 3 & 6, 4 & 5, 7 & 8						

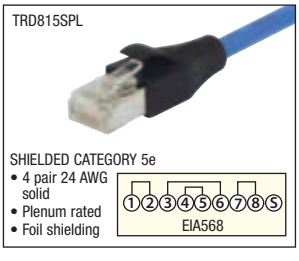
Category 5e RJ45 to RJ45 Crossover Patch Cords

TRD855XCR-2	Cat5e Crossover Patch Cord, RJ45 / RJ45, 2.0ft (0.6m)	Lt. Gray	8.59	7.73	6.87	6.01	5.15
TRD855XCR-3	Cat5e Crossover Patch Cord, RJ45 / RJ45, 3.0ft (0.9m)	Lt. Gray	9.19	8.27	7.35	6.43	5.51
TRD855XCR-5	Cat5e Crossover Patch Cord, RJ45 / RJ45, 5.0ft (1.5m)	Lt. Gray	10.29	9.26	8.23	7.20	6.17
TRD855XCR-7	Cat5e Crossover Patch Cord, RJ45 / RJ45, 7.0ft (2.1m)	Lt. Gray	11.39	10.25	9.11	7.97	6.83
TRD855XCR-10	Cat5e Crossover Patch Cord, RJ45 / RJ45, 10.0ft (3.0m)	Lt. Gray	12.99	11.69	10.39	9.09	7.79
TRD855XCR-15	Cat5e Crossover Patch Cord, RJ45 / RJ45, 15.0ft (4.6m)	Lt. Gray	15.79	14.21	12.63	11.05	9.47
TRD855XCR-25	Cat5e Crossover Patch Cord, RJ45 / RJ45, 25.0ft (7.6m)	Lt. Gray	21.29	19.16	17.03	14.90	12.77
TRD855XCR-50	Cat5e Crossover Patch Cord, RJ45 / RJ45, 50.0ft (15.2m)	Lt. Gray	34.99	31.49	27.99	24.49	20.99
TRD855XCR-75	Cat5e Crossover Patch Cord, RJ45 / RJ45, 75.0ft (22.9m)	Lt. Gray	48.79	43.91	39.03	34.15	29.27
TRD855XCR-100	Cat5e Crossover Patch Cord, RJ45 / RJ45, 100.0ft (30.4m)	Lt. Gray	62.49	56.24	49.99	43.74	37.49
	Twisted Pair Pinning: 1 & 2, 3 & 6, 4 & 5, 7 & 8						

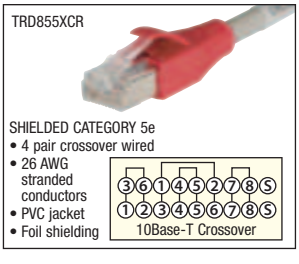
Screened (Shielded) Patch Cords



SHIELDED CATEGORY 5e
- 2 pair 26 AWG stranded
- PVC jacket
- Foil shielding



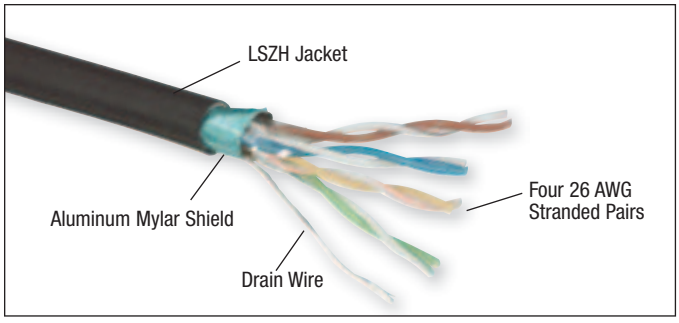
SHIELDED CATEGORY 5e
- 4 pair 24 AWG solid
- Plenum rated
- Foil shielding



SHIELDED CATEGORY 5e
- 4 pair crossover wired
- 26 AWG stranded conductors
- PVC jacket
- Foil shielding

RoHS status information
listed online for every product.
L-com.com/RoHS

L-COM Global Connectivity



Category 5e RJ45 to RJ45 Shielded Low Smoke Zero Halogen Patch Cords

Designed for environments where PVC's combustive toxicity is restricted, L-com's shielded Low Smoke Zero Halogen (LSZH) Ethernet cables provide the ideal alternative. Featuring all-metal-body RJ45 connectors and aluminized polyester shielded cable with drain wire, these assemblies are designed to protect from EMI/RFI while maintaining high performance data transmission characteristics. Ensure the protection of your investment by utilizing these L-com exclusive LSZH cables. Ask about custom lengths and quantity pricing. Talk to us about your project today.

Category 5e Patch Cords

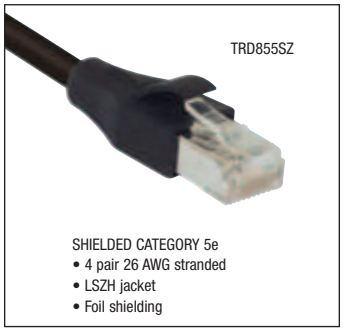
EIA568



Twisted Pair Pinning: 1 & 2, 3 & 6, 4 & 5, 7 & 8

Category 5e Stranded 4 Pair Cable





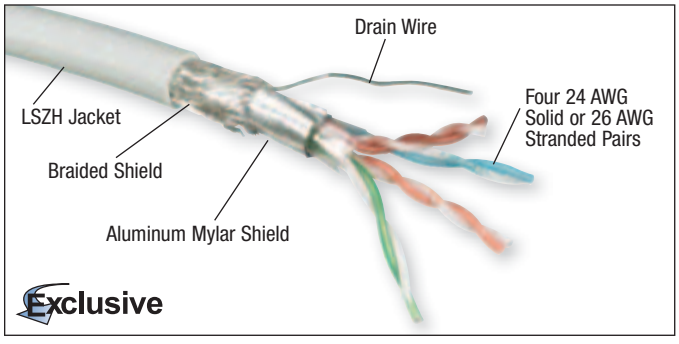
SHIELDED CATEGORY 5e
- 4 pair 26 AWG stranded
- LSZH jacket
- Foil shielding

Category 5e Shielded LSZH 26 AWG Stranded Patch Cords

This series features 26 AWG stranded conductors and a 100% foil shield. The LSZH jacket is perfect for environments where PVC's combustive toxicity is restricted.

Item #	Description	Color	1-9	10-24	25-99	100-249	250-499
TRD855SZ-1	Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 1.0ft (0.3m)	Black	9.29	9.01	8.73	8.36	7.43
TRD855SZ-2	Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 2.0ft (0.6m)	Black	11.39	11.05	10.71	10.25	9.11
TRD855SZ-3	Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 3.0ft (0.9m)	Black	13.19	12.79	12.40	11.87	10.55
TRD855SZ-5	Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 5.0ft (1.5m)	Black	17.39	16.87	16.35	15.65	13.91
TRD855SZ-7	Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 7.0ft (2.1m)	Black	21.29	20.65	20.01	19.16	17.03
TRD855SZ-10	Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 10.0ft (3.0m)	Black	27.29	26.47	25.65	24.56	21.83
TRD855SZ-15	Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 15.0ft (4.6m)	Black	37.19	36.07	34.96	33.47	29.75
TRD855SZ-25	Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 25.0ft (7.6m)	Black	57.29	55.57	53.85	51.56	45.83
TRD855SZ-50	Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 50.0ft (15.2m)	Black	107.39	104.17	100.95	96.65	85.91
TRD855SZ-75	Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 75.0ft (22.9m)	Black	157.19	152.47	147.76	141.47	125.75
TRD855SZ-100	Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 100.0ft (30.4m)	Black	207.29	201.07	194.85	186.56	165.83

Twisted Pair Pinning: 1 & 2, 3 & 6, 4 & 5, 7 & 8



Category 5e Double Shielded Low Smoke Zero Halogen Patch Cords for High EMI/RFI Environments

When a single shield is not enough, L-com's exclusive double-shielded patch cords are ideal. EMI/RFI interference is drastically reduced due to L-com's superior cable shielding, a combination of a 100% foil plus a 60% braid shield. The Low Smoke Zero Halogen (LSZH) jacket allows this industrial patch cord to meet today's environmental and safety requirements.

DOUBLE SHIELDED CATEGORY 5e
- Double shielded foil+braid reduces EMI/RFI interference
- Low smoke zero halogen jacket for environmental and safety concerns
- 24 or 26 AWG conductors for flexibility
- Stock lengths are available up to 300 ft.

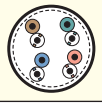
Category 5e Patch Cords

EIA568



Twisted Pair Pinning:
1 & 2, 3 & 6, 4 & 5, 7 & 8

Category 5e Stranded 4 Pair Cable



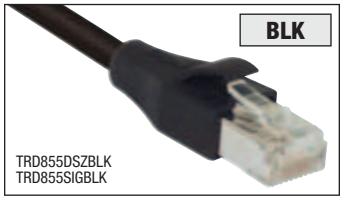


Category 5e Double Shielded LSZH 26 AWG Stranded Patch Cords

This series features 26 AWG stranded conductors that are flexible and easy to install even in tight spaces. L-com stocks lengths up to 300 ft and can ship most orders the same day.

Ordering is easy, add the desired color code to the part number. Ex: TRD855DSZBLK-1.
***Note: No suffix necessary for Gray assemblies.**

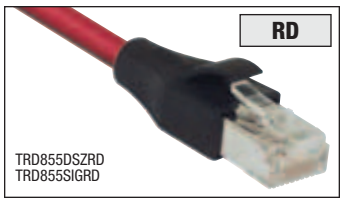
TRD855DSZ __-1	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 1.0ft (0.3m)	9.99	9.69	9.39	8.99	7.99
TRD855DSZ __-2	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 2.0ft (0.6m)	11.99	11.63	11.27	10.79	9.59
TRD855DSZ __-3	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 3.0ft (0.9m)	12.99	12.60	12.21	11.69	10.39
TRD855DSZ __-5	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 5.0ft (1.5m)	16.99	16.48	15.97	15.29	13.59
TRD855DSZ __-7	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 7.0ft (2.1m)	19.99	19.39	18.79	17.99	15.99
TRD855DSZ __-10	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 10.0ft (3.0m)	24.99	24.24	23.49	22.49	19.99
TRD855DSZ __-15	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 15.0ft (4.6m)	32.99	32.00	31.01	29.69	26.39
TRD855DSZ __-25	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 25.0ft (7.6m)	49.99	48.49	46.99	44.99	39.99
TRD855DSZ __-50	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 50.0ft (15.2m)	91.99	89.23	86.47	82.79	73.59
TRD855DSZ __-75	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 75.0ft (22.9m)	132.99	129.00	125.01	119.69	106.39
TRD855DSZ __-100	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 100.0ft (30.4m)	174.99	169.74	164.49	157.49	139.99



Category 5e Double Shielded LSZH 24 AWG Solid Patch Cords

The TRD855SIG series features 24 AWG solid conductors allowing easy termination to IDC connectors. L-com stocks lengths up to 300 ft and can ship most orders the same day.

TRD855SIG __-1	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 1.0ft (0.3m)	9.99	9.69	9.39	8.99	7.99
TRD855SIG __-2	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 2.0ft (0.6m)	10.99	10.66	10.33	9.89	8.79
TRD855SIG __-3	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 3.0ft (0.9m)	12.99	12.60	12.21	11.69	10.39
TRD855SIG __-5	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 5.0ft (1.5m)	15.99	15.51	15.03	14.39	12.79
TRD855SIG __-7	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 7.0ft (2.1m)	18.99	18.42	17.85	17.09	15.19
TRD855SIG __-10	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 10.0ft (3.0m)	22.99	22.30	21.61	20.69	18.39
TRD855SIG __-15	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 15.0ft (4.6m)	29.99	29.09	28.19	26.99	23.99
TRD855SIG __-25	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 25.0ft (7.6m)	44.99	43.64	42.29	40.49	35.99
TRD855SIG __-50	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 50.0ft (15.2m)	81.99	79.53	77.07	73.79	65.59
TRD855SIG __-75	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 75.0ft (22.9m)	118.99	115.42	111.85	107.09	95.19
TRD855SIG __-100	Double Shielded Cat5e LSZH Patch Cord, RJ45 / RJ45, 100.0ft (30.4m)	155.99	151.31	146.63	140.39	124.79

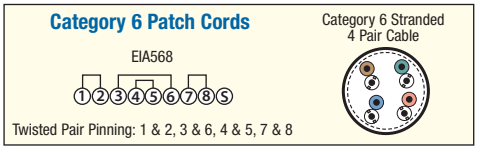


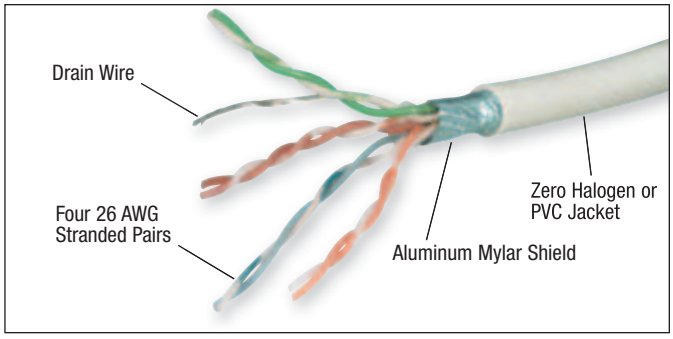
L-com Global Connectivity

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Premium Category 6 RJ45 to RJ45 Shielded Patch Cords

Category 6 has become the de facto standard when installing new network cabling. With high bandwidth applications on the rise and Ethernet network deployments venturing into new areas such as factory environments, the need for shielded Category 6 cable assemblies has also increased. L-com has stepped up to this new demand and created a line of high performance Category 6 patch cords that feature a 100% foil shield and the option of either a PVC or Zero Halogen jacket.





Item #	Description	Color	1-9	10-24	25-99	100-249	250-499

Category 6 Shielded Patch Cords with PVC Jacket

This series features a RoHS compliant PVC jacket and a 100% foil shield. The four pair 26 AWG stranded Cat6 cable is terminated with L-com's unique shielded Cat6 plugs, with a fully crimped shield termination that doubles as a strain relief.

TRD695SCR-1	Shielded Cat6 Patch Cord, RJ45 / RJ45, 1.0ft (0.3m)	Lt. Gray	7.49	7.27	7.04	6.74	5.99
TRD695SCR-2	Shielded Cat6 Patch Cord, RJ45 / RJ45, 2.0ft (0.6m)	Lt. Gray	8.09	7.85	7.60	7.28	6.47
TRD695SCR-3	Shielded Cat6 Patch Cord, RJ45 / RJ45, 3.0ft (0.9m)	Lt. Gray	8.99	8.72	8.45	8.09	7.19
TRD695SCR-5	Shielded Cat6 Patch Cord, RJ45 / RJ45, 5.0ft (1.5m)	Lt. Gray	10.49	10.18	9.86	9.44	8.39
TRD695SCR-7	Shielded Cat6 Patch Cord, RJ45 / RJ45, 7.0ft (2.1m)	Lt. Gray	12.29	11.92	11.55	11.06	9.83
TRD695SCR-10	Shielded Cat6 Patch Cord, RJ45 / RJ45, 10.0ft (3.0m)	Lt. Gray	14.69	14.25	13.81	13.22	11.75
TRD695SCR-15	Shielded Cat6 Patch Cord, RJ45 / RJ45, 15.0ft (4.6m)	Lt. Gray	18.59	18.03	17.47	16.73	14.87
TRD695SCR-25	Shielded Cat6 Patch Cord, RJ45 / RJ45, 25.0ft (7.6m)	Lt. Gray	26.69	25.89	25.09	24.02	21.35
TRD695SCR-50	Shielded Cat6 Patch Cord, RJ45 / RJ45, 50.0ft (15.2m)	Lt. Gray	46.49	45.10	43.70	41.84	37.19
TRD695SCR-75	Shielded Cat6 Patch Cord, RJ45 / RJ45, 75.0ft (22.9m)	Lt. Gray	66.59	64.59	62.59	59.93	53.27
TRD695SCR-100	Shielded Cat6 Patch Cord, RJ45 / RJ45, 100.0ft (30.4m)	Lt. Gray	86.69	84.09	81.49	78.02	69.35

Category 6 Shielded Patch Cords with LSZH Jacket

This series features a LSZH jacket and a 100% foil shield. The four pair 26 AWG stranded Cat6 cable is terminated with L-com's unique shielded Cat6 plugs, with a fully crimped shield termination that doubles as a strain relief.

TRD695SZ-1	Shielded Cat6 LSZH Patch Cord, RJ45 / RJ45, 1.0ft (0.3m)	Lt. Gray	7.79	7.56	7.32	7.01	6.23
TRD695SZ-2	Shielded Cat6 LSZH Patch Cord, RJ45 / RJ45, 2.0ft (0.6m)	Lt. Gray	8.99	8.72	8.45	8.09	7.19
TRD695SZ-3	Shielded Cat6 LSZH Patch Cord, RJ45 / RJ45, 3.0ft (0.9m)	Lt. Gray	10.49	10.18	9.86	9.44	8.39
TRD695SZ-5	Shielded Cat6 LSZH Patch Cord, RJ45 / RJ45, 5.0ft (1.5m)	Lt. Gray	12.89	12.50	12.12	11.60	10.31
TRD695SZ-7	Shielded Cat6 LSZH Patch Cord, RJ45 / RJ45, 7.0ft (2.1m)	Lt. Gray	15.29	14.83	14.37	13.76	12.23
TRD695SZ-10	Shielded Cat6 LSZH Patch Cord, RJ45 / RJ45, 10.0ft (3.0m)	Lt. Gray	19.19	18.61	18.04	17.27	15.35
TRD695SZ-15	Shielded Cat6 LSZH Patch Cord, RJ45 / RJ45, 15.0ft (4.6m)	Lt. Gray	25.49	24.73	23.96	22.94	20.39
TRD695SZ-25	Shielded Cat6 LSZH Patch Cord, RJ45 / RJ45, 25.0ft (7.6m)	Lt. Gray	37.79	36.66	35.52	34.01	30.23
TRD695SZ-50	Shielded Cat6 LSZH Patch Cord, RJ45 / RJ45, 50.0ft (15.2m)	Lt. Gray	68.99	66.92	64.85	62.09	55.19
TRD695SZ-75	Shielded Cat6 LSZH Patch Cord, RJ45 / RJ45, 75.0ft (22.9m)	Lt. Gray	100.49	97.48	94.46	90.44	80.39
TRD695SZ-100	Shielded Cat6 LSZH Patch Cord, RJ45 / RJ45, 100.0ft (30.4m)	Lt. Gray	131.69	127.74	123.79	118.52	105.35

Extreme Hi-Flex Oil Resistant Category 5e Patch Cords

This series features 26 AWG stranded conductors and a braid and foil shield. The outer jacket is low-friction halogen-free PUR. This cable has been tested to 10 million flex cycles.

TRD877HF-1	Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45 / RJ45, 1.0ft (0.3m)	Teal	36.95	35.47	33.99	32.52	31.04
TRD877HF-2	Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45 / RJ45, 2.0ft (0.6m)	Teal	39.90	38.30	36.71	35.11	33.52
TRD877HF-3	Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45 / RJ45, 3.0ft (0.9m)	Teal	42.85	41.14	39.42	37.71	35.99
TRD877HF-5	Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45 / RJ45, 5.0ft (1.5m)	Teal	48.75	46.80	44.85	42.90	40.95
TRD877HF-7	Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45 / RJ45, 7.0ft (2.1m)	Teal	54.65	52.46	50.28	48.09	45.91
TRD877HF-10	Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45 / RJ45, 10.0ft (3.0m)	Teal	63.50	60.96	58.42	55.88	53.34
TRD877HF-15	Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45 / RJ45, 15.0ft (4.6m)	Teal	78.25	75.12	71.99	68.86	65.73
TRD877HF-25	Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45 / RJ45, 25.0ft (7.6m)	Teal	107.75	103.44	99.13	94.82	90.51
TRD877HF-50	Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45 / RJ45, 50.0ft (15.2m)	Teal	181.50	174.24	166.98	159.72	152.46
TRD877HF-75	Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45 / RJ45, 75.0ft (22.9m)	Teal	255.25	245.04	234.83	224.62	214.41
TRD877HF-100	Shielded Cat5e Extreme Hi-Flex Patch Cord, RJ45 / RJ45, 100.0ft (30.4m)	Teal	329.00	315.84	302.68	289.52	276.36

Hi-Flex Oil Resistant Category 5e Patch Cords

This series features 26 AWG stranded conductors and a braided shield. The outer jacket is low-friction halogen-free PUR that is perfect for cable track applications.

TRD855HFX-1	Shielded Cat5e Hi-Flex Patch Cord, RJ45 / RJ45, 1.0ft (0.3m)	Teal	34.95	33.55	32.15	30.76	29.36
TRD855HFX-2	Shielded Cat5e Hi-Flex Patch Cord, RJ45 / RJ45, 2.0ft (0.6m)	Teal	37.90	36.38	34.87	33.35	31.84
TRD855HFX-3	Shielded Cat5e Hi-Flex Patch Cord, RJ45 / RJ45, 3.0ft (0.9m)	Teal	40.85	39.22	37.58	35.95	34.31
TRD855HFX-5	Shielded Cat5e Hi-Flex Patch Cord, RJ45 / RJ45, 5.0ft (1.5m)	Teal	46.75	44.88	43.01	41.14	39.27
TRD855HFX-7	Shielded Cat5e Hi-Flex Patch Cord, RJ45 / RJ45, 7.0ft (2.1m)	Teal	52.65	50.54	48.44	46.33	44.23
TRD855HFX-10	Shielded Cat5e Hi-Flex Patch Cord, RJ45 / RJ45, 10.0ft (3.0m)	Teal	61.50	59.04	56.58	54.12	51.66
TRD855HFX-15	Shielded Cat5e Hi-Flex Patch Cord, RJ45 / RJ45, 15.0ft (4.6m)	Teal	76.25	73.20	70.15	67.10	64.05
TRD855HFX-25	Shielded Cat5e Hi-Flex Patch Cord, RJ45 / RJ45, 25.0ft (7.6m)	Teal	105.75	101.52	97.29	93.06	88.83
TRD855HFX-50	Shielded Cat5e Hi-Flex Patch Cord, RJ45 / RJ45, 50.0ft (15.2m)	Teal	179.50	172.32	165.14	157.96	150.78
TRD855HFX-75	Shielded Cat5e Hi-Flex Patch Cord, RJ45 / RJ45, 75.0ft (22.9m)	Teal	253.25	243.12	232.99	222.86	212.73
TRD855HFX-100	Shielded Cat5e Hi-Flex Patch Cord, RJ45 / RJ45, 100.0ft (30.4m)	Teal	327.00	313.92	300.84	287.76	274.68

Best Seller



SHIELDED CATEGORY 6
- 4 pair 26 AWG stranded
- PVC jacket
- Foil shielding



SHIELDED CATEGORY 6
- 4 pair 26 AWG stranded
- LSZH jacket
- Foil shielding



EXTREME HIGH-FLEX SHIELDED CATEGORY 5e
- 4 pair 26 AWG stranded
- Zero Halogen jacket
- Double shielded foil
- Tested to 10 million flex cycles



HIGH-FLEX SHIELDED CATEGORY 5e
- 4 pair 26 AWG stranded
- Oil resistant jacket
- Braid shielding
- Tested to 2.5 million flex cycles

Technical resources
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Comparing Industrial Category 5e Bulk Cables

1K Ft Spool	AWG	Jacket Material	Jacket Color	UTP	Foil + Braid Shield	600V	Hi-Flex	UV Res.	Oil Res.	Low Smoke	Halogen Free	Nominal Cable Diameter	OD of Conductor Insulation	Special Notes or Rating	List Price
TFCPUR5730	26 str	PUR	Black		●			●	●			.220"	.039"		949.00
TC5700	24 str	PUR	Black	●			●	●	●			.228"	.039"		585.00
TC5750	24 str	FR-TPE	Black	●			●	●	●			.227"	.039"	CMX Outdoor Rated	590.00
TFCHF2004	26 str	PUR	Teal		●		●		●		●	.248"	.040"	CMG Rated	2995.00
TFCLS2005	26 str	PUR	Teal		●		●		●	●	●	.244"	.037"	CMX Rated	1449.00
TFDL5088	26 str	FR-TPE	Teal		●	●	●	●	●			.244"	.037"	CMX Outdoor Rated	1095.00
TFDL5089	24 str	FR-TPE	Black		●	●	●	●	●			.301"	.046"	CMX Outdoor Rated	1095.00
TOAC2004	24 sld	PE	Black	●				●				.246"	.039"	Gel-Filled, Aerial Lashed	250.00
TOBC2004	24 sld	PE	Black	●				●				.380"	.039"	Gel-Filled, Armored, Direct Burial	549.00
CA5NF4-REEL	24 sld	PE	Black	●				●				.240"	.040"	Flooded, Direct Burial	269.00
CA-5EF4-R1K	24 sld	PE	Black	●				●				.240"	.040"	Flooded	129.00

Suggested plug and crimp tool for use with UTP industrial cables in the chart above: TSP4088C5 (pg. 62) and HT1500 (pg. 63)
Suggested plug and crimp tool for use with shielded industrial cables in the chart above (with the exception of TFDL5089): TSP4088C5S (pg. 62) and HT1500 (pg. 63)
Suggested plug and crimp tool for use with industrial cable TFDL5089: TSP8048C5S (pg.63) and HT1500 (pg. 63)

Tip Understanding Industrial Cables

L-com's industrial cables are made to take a beating and keep on transmitting. They are able to accomplish this by utilizing special jackets and materials in their construction. Please use the following reference for a quick guide to understanding Industrial cables:

PUR cables are made using a Polyurethane jacket. They are tough, flexible, and resilient. This material can be stretched, smashed or scratched while remaining fairly indestructible. It can also be deformed over and over again and return to its original shape.

FR-TPE means Flame-retardant Thermoplastic Elastomer. It is a material similar to PUR that is strong when struck, hard if scratched and is resistant to various forms of chemical corrosion. It makes an excellent dense and protective jacket while remaining highly flexible.

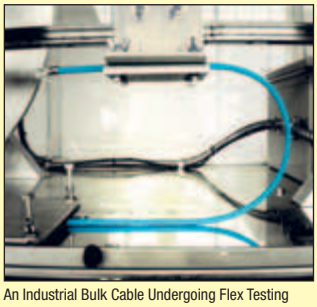
Halogen-free cables, as the name implies, are free of harmful halogens if burned. This protects valuable equipment and resources from the potentially harmful toxic or acidic smoke that can be found in other cable jackets.

PE cables have jackets made of Polyethylene material. They have very low water absorption and are generally used in outdoor installations. However, PE cables are stiffer than PUR or FR-TPE cables and are less resistant to abrasion.

UV Resistant cables are resistant to ultraviolet light and sunlight, as such, they will not weaken, be destroyed by or faded by light exposure.

Hi-Flex cables utilize a combination of flexible jackets with specialized stranded conductors which allow the cables to be flexed over and over again, literally millions of times, before the performance of the cable will suffer.

Oil Resistant cables are made from materials that will not corrode or breakdown when exposed to most chemicals and oils found in an industrial environment.


An Industrial Bulk Cable Undergoing Flex Testing



Item #	Description	List Price

Ruggedized RJ45 Plugs and Jacks:

In today's world of high-speed communications, Ethernet has become the standard platform for all voice, video and data services. L-com's ruggedized family of RJ45 plugs and receptacles provide an efficient, comprehensive and affordable solution to Ethernet connectivity for harsh and environmentally challenged applications. These parts feature 100% transversely sealed (IP-68) configurations as a standard product design, preventing dust, water and moisture penetration, with or without dust cap or plug engagement. The ruggedized parts offer comprehensive shielding and grounding effectiveness capable of sustaining higher data transmission rates as well as Electro-Magnetic Conductance (EMC) for Military applications (only Zinc-Nickel finished parts offer EMC grounding). Suggested areas of usage include Data, VOIP, IPTV in harsh environments, 10/100/1000 Base-T networks, battlefield communication systems, industrial process control, data acquisition and control, factory environments, radar systems, railways and shelters among other things.

Ruggedized RJ45 Plugs

L-com's ruggedized RJ45 plugs are transversely sealed and designed to integrate with other ruggedized jam-nuts, flange mounts and in-line receptacles. Special compressive fittings allow these plugs to work with shielded or unshielded cable. A compression nut establishes 10lb of cable strain relief establishing robust cable strength. Internal conductive compression is used to interoperate with the cable braid to form a 360° ground plane. Plugs are available with or without dust caps. Ruggedize your plugs for harsh environmental applications today.

ECRA0211UA0	Ruggedized RJ45 Plug, Anodized Finish, Fits Cable OD .190-.270 inches	61.89
ECRA0213UA0	Ruggedized RJ45 Plug, Zinc-Nickel Finish, Fits Cable OD .190-.270 inches	71.62
ECRA4211UA0	Ruggedized RJ45 Plug, Anodized Finish with Dust Cap, Fits Cable OD .190-.270 inches	88.00
ECRA4213UA0	Ruggedized RJ45 Plug, Zinc-Nickel Finish with Dust Cap, Fits Cable OD .190-.270 inches	98.85
ECRA0211UB0	Ruggedized RJ45 Plug, Anodized Finish, Fits Cable OD .271-.330 inches	61.89
ECRA0213UB0	Ruggedized RJ45 Plug, Zinc-Nickel Finish, Fits Cable OD .271-.330 inches	71.62
ECRA4211UB0	Ruggedized RJ45 Plug, Anodized Finish with Dust Cap, Fits Cable OD .271-.330 inches	88.00
ECRA4213UB0	Ruggedized RJ45 Plug, Zinc-Nickel Finish with Dust Cap, Fits Cable OD .271-.330 inches	98.85

Ruggedized RJ45 In-line Receptacle

These ruggedized RJ45 receptacles are transversely sealed with no mate but also designed to work with L-com's line of ruggedized RJ45 plugs. Choose your RJ45 plug and bulk cable from L-com's wide selection.

ECRP5103UA0	Ruggedized RJ45 Receptacle, Zinc-Nickel Finish with Grounding Shield and Dust Cap, Fits Cable OD .190-.270 inches	100.95
ECRP5201UA0	Ruggedized RJ45 Receptacle, Anodized Finish with Dust Cap, Fits Cable OD .190-.270 inches	83.66
ECRP5103UB0	Ruggedized RJ45 Receptacle, Zinc-Nickel Finish with Grounding Shield and Dust Cap, Fits Cable OD .271-.330 inches	100.95
ECRP5201UB0	Ruggedized RJ45 Receptacle, Anodized Finish with Dust Cap, Fits Cable OD .271-.330 inches	83.66

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Tip What does transversely sealed mean?



Did you know that all of L-com's new ruggedized RJ45 plugs, jam-nuts, flanges and in-line receptacles are transversely sealed? As the name implies, this means that they are waterproof. The parts meet or exceed IP-68 rating with or without dust covers or mated connectors engaged with the receptacle. The plugs and jacks are waterproof even without a mated cap or connector when submerged under 1 meter of water for up to two days! Your equipment will not be at risk from moisture or dust even if you lose or forget the dust cap!

Item #	Description	List Price

Ruggedized RJ45 Receptacles

These ruggedized RJ45 receptacles are transversely sealed for complete moisture and dust protection. L-com's ECRD line provides both the Flange mount and sealing gasket. The ECRH line comes with full mounting hardware including bracket, self-sealing mounting screws, and O-rings for an easy installation. The ECRK line is a simple D-hole jam nut and requires no additional hardware for mounting and the ECRJ line fits a D38999/24 and M83723/60 cut out. See **L-com.com** for our full line of harsh environment products.

ECRD0103U00	Ruggedized Flange Mount, Zinc-Nickel Finish with Grounding Shield	47.09
ECRD0201U00	Ruggedized Flange Mount, Anodized Finish	35.05
ECRD0203U00	Ruggedized Flange Mount, Zinc-Nickel Finish	40.65
ECRD3103U00	Ruggedized Flange Mount, Zinc-Nickel Finish with Grounding Shield and Dust Cap	68.04
ECRD3201U00	Ruggedized Flange Mount, Anodized Finish with Dust Cap	54.90
ECRD3203U00	Ruggedized Flange Mount, Zinc-Nickel Finish with Dust Cap	61.61
ECRH0103U00	Ruggedized Flange Mount, Zinc-Nickel Finish with Grounding Shield and Mounting Hardware	56.37
ECRH0201U00	Ruggedized Flange Mount, Anodized Finish with Mounting Hardware	44.18
ECRH0203U00	Ruggedized Flange Mount, Zinc-Nickel Finish with Mounting Hardware	49.93
ECRH3103U00	Ruggedized Flange Mount, Zinc-Nickel Finish with Grounding Shield, Mounting Hardware and Dust Cap	77.32
ECRH3201U00	Ruggedized Flange Mount, Anodized Finish with Mounting Hardware and Dust Cap	64.03
ECRH3203U00	Ruggedized Flange Mount, Zinc-Nickel Finish with Mounting Hardware and Dust Cap	70.88
ECRK0103U00	Ruggedized Jam-nut, Zinc-Nickel Finish with Grounding Shield	55.56
ECRK0201U00	Ruggedized Jam-nut, Anodized Finish	40.68
ECRK0203U00	Ruggedized Jam-nut, Zinc-Nickel Finish	46.09
ECRK2103U00	Ruggedized Jam-nut, Zinc-nickel Finish with Grounding Shield and Dust Cap	84.79
ECRK2201U00	Ruggedized Jam-nut, Anodized Finish with Dust Cap	67.70
ECRK2203U00	Ruggedized Jam-nut, Zinc-Nickel Finish with Dust Cap	75.31
ECRJ0203U00	Ruggedized Jam-nut, Zinc-Nickel for D38999/24 or M83723/60 cutout	54.99

Category 5e Ruggedized RJ45 Assemblies with FR-TPE Outdoor Rated Cable

L-com is proud to offer assemblies using our IP68 rated ruggedized RJ45 plugs and jacks in various combinations. Each cable is built using CMX Outdoor Rated, double-shielded industrial cable for the most durable Category 5e cable L-com has ever offered. Please see our custom cable configurator on L-com.com to create your own custom length variations. All ruggedized jacks and plugs come with dust caps. Call today for assistance.

New

Plug / Plug, Zinc-Nickel Finish



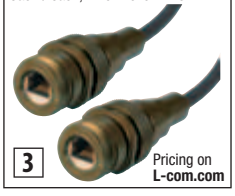
1 Pricing on **L-com.com**

Plug / Plug, Anodized Finish



2 Pricing on **L-com.com**

Jack / Jack, Zinc-Nickel Finish



3 Pricing on **L-com.com**

Jack / Jack, Anodized Finish



4 Pricing on **L-com.com**

Plug / Jack, Zinc-Nickel Finish



5 Pricing below

Plug / Jack, Anodized Finish



6 Pricing on **L-com.com**

Zinc-Nickel Jack / Shld. RJ45 Plug



7 Pricing on **L-com.com**

Anodized Jack / Shld. RJ45 Plug



8 Pricing on **L-com.com**

Ordering is easy, add the desired number of the style code into the part number. Ex: TRD8RG5-01, Plug to Jack, Zinc-Nickel finish, 1m in length

TRD8RG5-01	Ruggedized Category 5e Assembly with FR-TPE Outdoor Rated Cable and Dust Caps, 1.0m	347.86
TRD8RG5-02	Ruggedized Category 5e Assembly with FR-TPE Outdoor Rated Cable and Dust Caps, 2.0m	352.06
TRD8RG5-03	Ruggedized Category 5e Assembly with FR-TPE Outdoor Rated Cable and Dust Caps, 3.0m	356.14
TRD8RG5-05	Ruggedized Category 5e Assembly with FR-TPE Outdoor Rated Cable and Dust Caps, 5.0m	364.52
TRD8RG5-10	Ruggedized Category 5e Assembly with FR-TPE Outdoor Rated Cable and Dust Caps, 10.0m	385.34



ECRD0201U00



ECRD3103U00



ECRH0103U00



ECRH3201U00



ECRK0201U00

New



ECRJ0203U00

New



TRD8RG5 with Dust Covers

Tip Grounding RJ45 ruggedized jacks

Many applications that require the use of higher data rates require proper grounding and shielding. To address this, L-com offers our Zinc-Nickel finished line of RJ45 Ruggedized jacks which are designed to establish sufficient grounding between shielded cord sets and chassis ground. They also provide EMC/EMI shielding for applications where immunity to electromagnetic interference is crucial. The parts provide <0.033Ω for shielded cable to cable or cable to ground use. This is accomplished using a grounding plate, conductive O-ring and gasket. The parts adhere to and are tested to IAW MIL-STD-461F, RS103 for EMI emission and susceptibility.



EMC Shroud (front view) – conductive surface with shielded cable and receptacle or chassis ground



EMC Shroud (rear view) – conductive surface with shielded cable

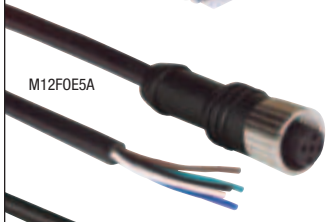
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M12M12R4D


M12M12F4D

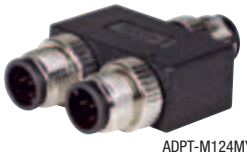

M12RJ454D


M12F0E5A


M12M12F5A


ADPT-M125MT


ADPT-M124MI


ADPT-M124MY

Item #	Description	1-9	10-24	25-99	100-249	250-499

M12 D-Coded 4 Position Cables for Ethernet and Fieldbus Applications

L-com offers popular 22 AWG 2-pair, 4 Position, D-coded M12 cable assemblies for use in Ethernet and fieldbus applications. These robust assemblies are 100% factory tested and feature UV and chemical resistant PUR jackets. Applications for these assemblies include manufacturing, process control, factory automation and more. Contact us today with your custom M12 requirements.

M12 4 Position D-Coded Male to Male Cable Assemblies

M12M124D-0.5	M12 4 Position D-Coded Male / Male Cable Assembly, 0.5m	11.95	11.23	10.52	9.80	9.08
M12M124D-1	M12 4 Position D-Coded Male / Male Cable Assembly, 1.0m	12.95	12.17	11.40	10.62	9.84
M12M124D-2	M12 4 Position D-Coded Male / Male Cable Assembly, 2.0m	14.95	14.05	13.16	12.26	11.36
M12M124D-3	M12 4 Position D-Coded Male / Male Cable Assembly, 3.0m	16.95	15.93	14.92	13.90	12.88
M12M124D-5	M12 4 Position D-Coded Male / Male Cable Assembly, 5.0m	18.95	17.81	16.68	15.54	14.40

M12 4 Position D-Coded Male (Straight) to Male (Right Angle) Cable Assemblies

M12M12R4D-0.5	M12 4 Position D-Coded Male / Male Right Angle Cable Assembly, 0.5m	11.95	11.23	10.52	9.80	9.08
M12M12R4D-1	M12 4 Position D-Coded Male / Male Right Angle Cable Assembly, 1.0m	12.95	12.17	11.40	10.62	9.84
M12M12R4D-2	M12 4 Position D-Coded Male / Male Right Angle Cable Assembly, 2.0m	14.95	14.05	13.16	12.26	11.36
M12M12R4D-3	M12 4 Position D-Coded Male / Male Right Angle Cable Assembly, 3.0m	16.95	15.93	14.92	13.90	12.88
M12M12R4D-5	M12 4 Position D-Coded Male / Male Right Angle Cable Assembly, 5.0m	18.95	17.81	16.68	15.54	14.40

M12 4 Position D-Coded Male to Female Cable Assemblies

M12M12F4D-0.5	M12 4 Position D-Coded Male / Female Cable Assembly, 0.5m	13.95	13.11	12.28	11.44	10.60
M12M12F4D-1	M12 4 Position D-Coded Male / Female Cable Assembly, 1.0m	14.95	14.05	13.16	12.26	11.36
M12M12F4D-2	M12 4 Position D-Coded Male / Female Cable Assembly, 2.0m	16.95	15.93	14.92	13.90	12.88
M12M12F4D-3	M12 4 Position D-Coded Male / Female Cable Assembly, 3.0m	18.95	17.81	16.68	15.54	14.40
M12M12F4D-5	M12 4 Position D-Coded Male / Female Cable Assembly, 5.0m	21.95	20.63	19.32	18.00	16.68

M12 4 Position D-Coded Male to RJ45 Male Cable Assemblies

M12RJ454D-0.5	M12 4 Position D-Coded Male / RJ45 Male Cable Assembly, 0.5m	11.95	11.23	10.52	9.80	9.08
M12RJ454D-1	M12 4 Position D-Coded Male / RJ45 Male Cable Assembly, 1.0m	12.95	12.17	11.40	10.62	9.84
M12RJ454D-2	M12 4 Position D-Coded Male / RJ45 Male Cable Assembly, 2.0m	16.95	15.93	14.92	13.90	12.88
M12RJ454D-3	M12 4 Position D-Coded Male / RJ45 Male Cable Assembly, 3.0m	20.95	19.69	18.44	17.18	15.92
M12RJ454D-5	M12 4 Position D-Coded Male / RJ45 Male Cable Assembly, 5.0m	29.95	28.15	26.36	24.56	22.76

M12 A-Coded 5 Position Cables for Sensor and Fieldbus Applications

L-com stocks A-coded 5 Position M12 cable assemblies for use in sensor and fieldbus applications. These rugged cables feature PUR jackets, 22 AWG stranded conductors and are 100% factory tested to ensure system uptime.

M12 5 Position A-Coded Female to Cut End Cable Assemblies

M12F0E5A-0.5	M12 5 Position A-Coded Female / Cut End, 0.5m	8.95	8.41	7.88	7.34	6.80
M12F0E5A-1	M12 5 Position A-Coded Female / Cut End, 1.0m	10.25	9.63	9.02	8.41	7.79
M12F0E5A-2	M12 5 Position A-Coded Female / Cut End, 2.0m	12.95	12.17	11.40	10.62	9.84

M12 5 Position A-Coded Male to Male Cable Assemblies

M12M125A-0.5	M12 5 Position A-Coded Male / Male Cable Assembly, 0.5m	12.95	12.17	11.40	10.62	9.84
M12M125A-1	M12 5 Position A-Coded Male / Male Cable Assembly, 1.0m	14.95	14.05	13.16	12.26	11.36
M12M125A-2	M12 5 Position A-Coded Male / Male Cable Assembly, 2.0m	17.95	16.87	15.80	14.72	13.64
M12M125A-3	M12 5 Position A-Coded Male / Male Cable Assembly, 3.0m	20.95	19.69	18.44	17.18	15.92
M12M125A-5	M12 5 Position A-Coded Male / Male Cable Assembly, 5.0m	25.95	24.39	22.84	21.28	19.72

M12 5 Position A-Coded Male to Female Cable Assemblies

M12M12F5A-0.5	M12 5 Position A-Coded Male / Female Cable Assembly, 0.5m	14.95	14.05	13.16	12.26	11.36
M12M12F5A-1	M12 5 Position A-Coded Male / Female Cable Assembly, 1.0m	16.95	15.93	14.92	13.90	12.88
M12M12F5A-2	M12 5 Position A-Coded Male / Female Cable Assembly, 2.0m	19.95	18.75	17.56	16.36	15.16
M12M12F5A-3	M12 5 Position A-Coded Male / Female Cable Assembly, 3.0m	22.95	21.57	20.20	18.82	17.44
M12M12F5A-5	M12 5 Position A-Coded Male / Female Cable Assembly, 5.0m	28.95	27.21	25.48	23.74	22.00

M12 4 Position and 5 Position Adapters

L-com stocks a multitude of M12 adapters including T style, I style and Y style M12 4 Position and 5 Position adapters. These rugged adapters are designed for use in harsh environments requiring temperature ranges from -25°C to 90°C.

M12 A-Coded 3 Way T Style Adapters

ADPT-M124MT	M12 4 Position 3 Way Male T Adapter	16.95	16.61	16.27	15.93	15.59
ADPT-M125MT	M12 5 Position 3 Way Male T Adapter	18.25	17.88	17.52	17.15	16.79
ADPT-M124FT	M12 4 Position 3 Way Female T Adapter	19.95	19.55	19.15	18.75	18.35
ADPT-M125FT	M12 5 Position 3 Way Female T Adapter	22.25	21.80	21.36	20.91	20.47

M12 A-Coded 2 Way I Style Adapters

ADPT-M124MI	M12 4 Position Inline Male I Adapter	10.59	10.38	10.17	9.95	9.74
ADPT-M125MI	M12 5 Position Inline Male I Adapter	11.59	11.36	11.13	10.89	10.66
ADPT-M124FI	M12 4 Position Inline Female I Adapter	12.95	12.69	12.43	12.17	11.91
ADPT-M125FI	M12 5 Position Inline Female I Adapter	14.50	14.21	13.92	13.63	13.34

M12 A-Coded 3 Way Y Style Adapters

ADPT-M124MY	M12 4 Position 3 Way Male Y Adapter	14.00	13.72	13.44	13.16	12.88
ADPT-M125MY	M12 5 Position 3 Way Male Y Adapter	16.95	16.61	16.27	15.93	15.59
ADPT-M124FY	M12 4 Position 3 Way Female Y Adapter	17.95	17.59	17.23	16.87	16.51
ADPT-M125FY	M12 5 Position 3 Way Female Y Adapter	19.95	19.55	19.15	18.75	18.35

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Item #	Description	1-9	10-24	25-99	100-249	250-499

M12 D-Coded 4 Position and 5 Position Panel, PCB and Solder Style Connectors

L-com offers a complete line of D-Coded 4 and 5 Position M12 connectors for enclosure, panel and PCB applications. These quality constructed connectors provide years of trouble free use in the most trying applications. These M12 connectors are offered in both male and female versions and are rated to IP68.

M12 D-Coded Panel Mount Connectors

CON-M124PM	M12 4 Position Male Panel Mount Connector	7.50	7.35	7.20	7.05	6.90
CON-M125PM	M12 5 Position Male Panel Mount Connector	7.95	7.79	7.63	7.47	7.31
CON-M124PF	M12 4 Position Female Panel Mount Connector	8.25	8.08	7.92	7.75	7.59
CON-M125PF	M12 5 Position Female Panel Mount Connector	8.95	8.77	8.59	8.41	8.23

M12 D-Coded PCB Mount Connectors

CON-M124PCBM	M12 4 Position Male PCB Mount Connector	6.95	6.81	6.67	6.53	6.39
CON-M125PCBM	M12 5 Position Male PCB Mount Connector	7.25	7.10	6.96	6.81	6.67
CON-M124PCBF	M12 4 Position Female PCB Mount Connector	9.95	9.75	9.55	9.35	9.15
CON-M125PCBF	M12 5 Position Female PCB Mount Connector	10.95	10.73	10.51	10.29	10.07

M12 D-Coded Solder Style Connectors

CON-M124SLDM	M12 4 Position Male Solder Style Connector	7.95	7.79	7.63	7.47	7.31
CON-M125SLDM	M12 5 Position Male Solder Style Connector	8.50	8.33	8.16	7.99	7.82
CON-M124SLDF	M12 4 Position Female Solder Style Connector	9.95	9.75	9.55	9.35	9.15
CON-M125SLDF	M12 5 Position Female Solder Style Connector	10.25	10.04	9.84	9.63	9.43



CON-M125PF Front View



CON-M125PF Back View



CON-M124PCBF Front View



CON-M124PCBF Back View



CON-M124SLDF Front View



CON-M124SLDF Back View

Item #	Description	List Price

Field Attachable IP67 M12 Connector

This robust field attachable Industrial Ethernet M12 connector is perfect for repair or installation of new and existing industrial cable plants. This connector is "D"- coded according to IEC 61076-2-101 4 and supports both 10Base-T and 100Base-T Ethernet applications. The EM12S Octopus is IP67 rated and features 4 contacts and IDC style termination.

EM12S OCTOPUS	Field Attachable IP67 M12 Connector	35.00

Bulkhead M12 to RJ45 IP67/65 Connector

This versatile IP67/65 connector/adapter provides a bulkhead style M12 connector on one and a shielded RJ45 jack on the other to address specific Industrial Ethernet applications. This connector is "D"- coded according to IEC 61076-2-101 and supports both 10Base-T and 100Base-T Ethernet applications.

90001136	Bulkhead M12 to RJ45 IP67/65 Connector	45.88

Item #	Description	List Price

EtherWAN's Hardened M12 Ethernet Extender over Coax

L-com now carries EtherWAN's Hardened M12 Ethernet Extender. This unit has a rugged aluminum case and is ideal for industrial environments. It supports full 10/100 duplex operation at up to 85 Mbps for up to 200 meters and 1 Mbps for up to 2,600 meters over standard 50 Ohm Coaxial Cable. The extender features 10 speeds with easy to read indicator LEDs on the front panel of the unit and a robust operating temperature range of -40° to +75°C. Contact L-com today for assistance extending your M12 Ethernet network through an industrial environment. **As an authorized EtherWan reseller, we can bid on RFQs for any EtherWan part numbers. Contact us to request a non-obligatory quote!**

EW-ED3344-00B	EtherWAN Hardened 10/100TX M12 Ethernet Extender over Coax	599.98

EtherWAN's Managed Hardened M12 Industrial Ethernet Switches

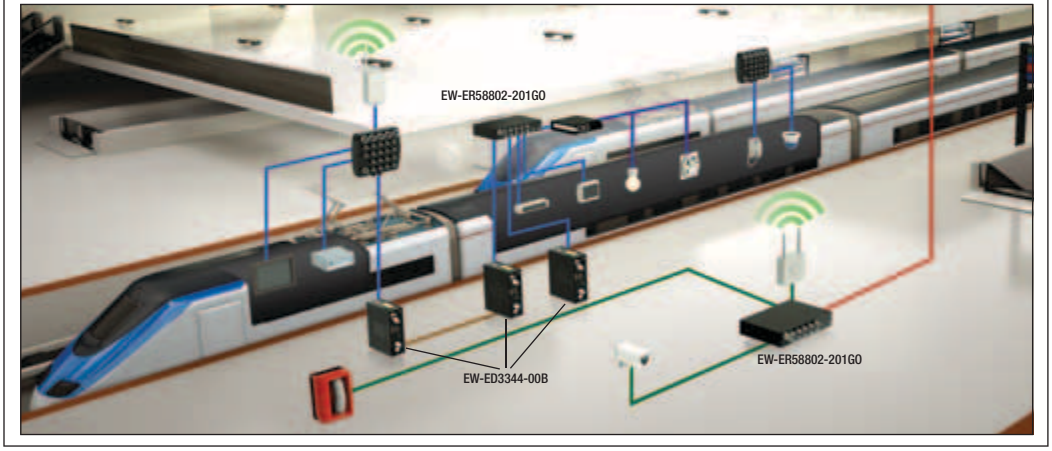
EtherWAN M12 switches are ready to help you expand your M12 Ethernet network with additional ports. These managed switches provide eight and 16 of 10/100 M12 ports and two M12 ports supporting Gigabit Ethernet. The ruggedized case and -40° to +75°C operating temperature range make these units ideal for industrial installations. These switches comply with EN50155/50121-3-2 for Railway applications and are IP67 rated. **As an authorized EtherWan reseller, we can bid on RFQs for any EtherWan part numbers. Contact us to request a non-obligatory quote!**

EW-ER58802-201G0	EtherWAN Managed, Hardened 8-Port 10/100TX M12 Ethernet Switch w/2 Port Gigabit M12	2454.98

Rolling Stock Network

EtherWAN's EN50121-4 certified products are designed for railway applications and guarantee electromagnetic compatibility in the rail environment. The EN50155 certified products comply with the robust requirements of rolling stock applications, such as shock, vibration, humidity and temperature. M12 connectors are available on those products that are installed in the most extreme environments.

PoE Ethernet
Fiber Optic
Cat5 Ethernet
Coaxial Cable
Serial Cable





EM12S OCTOPUS
Front View
Back View



90001136



New
EW-ED3344-00B



New
EW-ER58802-201G0


WT6788D
Front and Rear View


WT6788FS
Front and Rear View


WT6700FM
Front and Rear View


WT67KC5FM


WT671105RM


TRD855WTG


TRD5WP-1



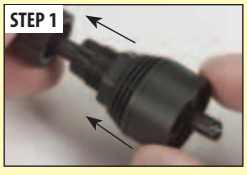
Item #	Description	1-9	10-24	25-99	100-249	250-499

Ruggedized IP67 Rated RJ45 Ethernet Plug Kit

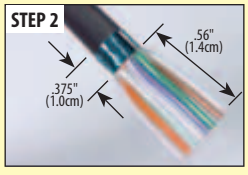
Installing Ethernet in harsh environments has never been easier. This IP67 rated plug housing is available for use with either shielded or non-shielded connections. A gasket seal keeps out unwanted contaminants and moisture. The optional flexible strain relief controls the bend radius of the cable. Call today to discuss your application with us.

WT6788D	Non-Shielded Dome Style	19.95	19.15	18.35	17.56	16.76
WT6788F	Non-Shielded Flex Style	19.95	19.15	18.35	17.56	16.76
WT6788DS	Shielded Dome Style	22.95	22.03	21.11	20.20	19.28
WT6788FS	Shielded Flex Style	22.95	22.03	21.11	20.20	19.28
TSP4088C5	Replacement RJ45 Non-Shielded Plugs, Pkg/50	29.95	27.55	25.16	22.76	CALL
TSP4088C5S	Replacement RJ45 Shielded Plugs, Pkg/50	49.95	45.95	41.96	37.96	CALL

Tip ***Easily attach a field installable plug***



STEP 1:
Slide compression nut, coupling and plug housing onto cable.



STEP 2:
Strip and prepare conductors for crimping. Trim to .56" (1.4cm).



STEP 3:
Install plug and crimp.



STEP 4:
Slide crimped connector into place and tighten compression nut.

Ruggedized IP67 Rated Keystone Flange Adapter Kits

Pass your Ethernet connections through a panel while still maintaining an IP67 rated seal. These receptacle kits consist of an IP67 rated flange adapter and industry standard keystone jacks and couplers. Don't see the combination you need? Call today and we'll help you find the right connection system for your application.

WT6700FM	Front Mount Empty	17.95	17.23	16.51	15.80	15.08
WT6700RM	Rear Mount Empty	17.95	17.23	16.51	15.80	15.08
WT67KC5FM	Front Mount C5E Coupler	24.95	23.95	22.95	21.96	20.96
WT67KC5RM	Rear Mount C5E Coupler	24.95	23.95	22.95	21.96	20.96
WT671105FM	Front Mount C5E IDC 110 Jack	19.95	19.15	18.35	17.56	16.76
WT671105RM	Rear Mount C5E IDC 110 Jack	19.95	19.15	18.35	17.56	16.76

Protective Covers for WT67 Series Plugs and Jacks

Maintain the IP67 rating for all open plugs and jacks with these covers. These caps are specifically designed to fit the WT67 series jacks and plugs. When a cable is connected, just attach a cap over the exposed connection and the seal is maintained.

WT67RC	IP67 Jack Cover for Female Receptacles	5.95	5.71	5.47	5.24	5.00
WT67RCT	IP67 Jack Cover for Female Receptacles with Tether	12.95	12.69	12.43	12.17	11.91
WT67PC	IP67 Jack Cover for Male Plug Kits	6.95	6.67	6.39	6.12	5.84
WT67PCT	IP67 Jack Cover for Male Plug Kits with Tether	12.95	12.69	12.43	12.17	11.91

Category 5e Outdoor Cables with Weather Tight Grommet

Protect Ethernet cable runs outside with L-com's Outdoor Category 5e rated cable. The Gel-filled jacket provides moisture protection when used in an outdoor environment. The built in feed-thru grommet allows the cable to pass through an enclosure while maintaining a watertight seal. With the UV protected jacket, outdoor cable runs are protected from damage caused by sunlight exposure. The cable is EIA568 color-coded for compatibility with standard installations and features solid conductors for termination into standard IDC connectors.

TRD855WTG-5	Category 5e Outdoor Patch Cable with Weathertight Grommets, 5.0ft (1.5m)	41.75	39.24	36.74	34.23	31.73
TRD855WTG-10	Category 5e Outdoor Patch Cable with Weathertight Grommets, 10.0ft (3.0m)	44.75	42.06	39.38	36.70	34.01
TRD855WTG-25	Category 5e Outdoor Patch Cable with Weathertight Grommets, 25.0ft (7.6m)	53.75	50.52	47.30	44.08	40.85
TRD855WTG-50	Category 5e Outdoor Patch Cable with Weathertight Grommets, 50.0ft (15.2m)	68.75	64.63	60.50	56.38	52.25
TRD855WTG-100	Category 5e Outdoor Patch Cable with Weathertight Grommets, 100.0ft (30.5m)	98.75	92.82	86.90	80.98	75.05

IP67 RJ45 to RJ45 Cable Assemblies

L-com's IP67 RJ45 Industrial Ethernet cables are perfect for all your harsh environment networking applications where moisture and dust are prevalent. These IP67 RJ45 cables feature gasketed IP67 plugs and PUR jackets which are UV and chemical resistant. Additionally these cables feature shielded cable to reduce EMI/RFI.

TRD5WP-1	IP67 RJ45 to IP67 RJ45,PUR Jacket 1.0m	32.00	30.08	28.16	26.24	24.32
TRD5WP-2	IP67 RJ45 to IP67 RJ45,PUR Jacket 2.0m	36.00	33.84	31.68	29.52	27.36
TRD5WP-3	IP67 RJ45 to IP67 RJ45,PUR Jacket 3.0m	40.00	37.60	35.20	32.80	30.40
TRD5WP-5	IP67 RJ45 to IP67 RJ45,PUR Jacket 5.0m	48.00	45.12	42.24	39.36	36.48
TRD5WP-10	IP67 RJ45 to IP67 RJ45,PUR Jacket 10.0m	66.00	62.04	58.08	54.12	50.16

IP67 Panel Mount RJ45 Couplers

L-com offers IP67 rated panel mount RJ45 feed-through and 110 punch down couplers for all your demanding Industrial Ethernet applications. These robust IP67 RJ45 panel mount couplers are constructed of ABS 94V-0 plastic and feature gaskets to keep dust and moisture out. These IP67 RJ45 panel mount couplers are designed for a maximum panel thickness of 2.8mm.

WPRJ-110CAT5E	IP67 Panel Mount RJ45 Coupler, 110 Punch Down, Shielded	19.95	17.95	15.96	13.96	CALL
WPRJ-FTCAT5E	IP67 Panel Mount RJ45 Coupler, Feed-Thru, Shielded	18.95	17.05	15.16	13.26	CALL
WPRJ-FTRACAT5E	IP67 Panel Mount RJ45 Coupler, Feed-Thru Right Angle, Shielded	19.95	17.95	15.96	13.96	CALL

IP67 Rated RJ45 Cable Glands

L-com offers a versatile solution for running RJ45 connections into enclosures and panels. The CG-XX series feature EPDM rubber gaskets to keep moisture and dust out of your critical LAN connections. These cable glands can be used for wired LAN applications as well as WiFi wireless installations.

CG-CRJ	IP67 RJ45 Feed-Through Cable Gland with 14.5" (36.8cm) Pigtail	8.95	8.77	8.59	8.41	8.23
CG-RJ	IP67 RJ45 Feed-Through Cable Gland, One Way Style	6.95	6.81	6.67	6.53	6.39
CG-DRJ	IP67 RJ45 Feed-Through Cable Gland, Two Way Style	8.95	8.77	8.59	8.41	8.23

L-com Global Connectivity

Customer Testimonials
Read why others choose L-com.
L-com.com/Testimonials

Item #	Description	1-9	10-24	25-99	100-249	250-499

Flat Silver Satin Modular Cable - Plug to Tinned Wires

Silver satin flat modular cords with one modular plug and pre-tinned wires. Choose four conductor (RJ11), six conductor (RJ12) or eight conductor (RJ45).

TDC019-1	Flat Modular Cable, RJ11 (6x4) / Tinned End, 1.0ft (0.3m)	1.75	1.71	1.65	1.54	1.31
TDC019-2	Flat Modular Cable, RJ11 (6x4) / Tinned End, 2.0ft (0.7m)	1.95	1.91	1.83	1.72	1.46
TDC019-7	Flat Modular Cable, RJ11 (6x4) / Tinned End, 7.0ft (2.1m)	2.25	2.21	2.11	1.98	1.69
TDC029-1	Flat Modular Cable, RJ12 (6x6) / Tinned End, 1.0ft (0.3m)	2.50	2.45	2.35	2.20	1.88
TDC029-2	Flat Modular Cable, RJ12 (6x6) / Tinned End, 2.0ft (0.7m)	2.75	2.69	2.59	2.42	2.06
TDC029-7	Flat Modular Cable, RJ12 (6x6) / Tinned End, 7.0ft (2.1m)	3.50	3.43	3.29	3.08	2.63
TDC029-14	Flat Modular Cable, RJ12 (6x6) / Tinned End, 14.0ft (4.3m)	5.00	4.90	4.70	4.40	3.75
TDC005-1	Flat Modular Cable, RJ45 (8x8) / Tinned End, 1.0ft (0.3m)	3.00	2.94	2.82	2.64	2.25
TDC005-2	Flat Modular Cable, RJ45 (8x8) / Tinned End, 2.0ft (0.7m)	3.25	3.19	3.05	2.86	2.44
TDC005-7	Flat Modular Cable, RJ45 (8x8) / Tinned End, 7.0ft (2.1m)	4.50	4.41	4.23	3.96	3.38
TDC005-14	Flat Modular Cable, RJ45 (8x8) / Tinned End, 14.0ft (4.3m)	6.25	6.13	5.88	5.50	4.69

Flat Silver Satin Modular Cable - Plug to Spade Lugs

Silver satin flat modular cords with one modular plug and uninsulated spade lugs. Great for terminating to screw terminals. Choose four conductor (RJ11), six conductor (RJ12) or eight conductor (RJ45).

TDC018-1	Flat Modular Cable, RJ11 (6x4) / Spade Lug, 1.0ft (0.3m)	1.75	1.71	1.65	1.54	1.31
TDC018-2	Flat Modular Cable, RJ11 (6x4) / Spade Lug, 2.0ft (0.7m)	1.95	1.91	1.83	1.72	1.46
TDC018-7	Flat Modular Cable, RJ11 (6x4) / Spade Lug, 7.0ft (2.1m)	2.25	2.21	2.11	1.98	1.69
TDC018-14	Flat Modular Cable, RJ11 (6x4) / Spade Lug, 14.0ft (4.3m)	3.25	3.19	3.05	2.86	2.44
TDC028-1	Flat Modular Cable, RJ12 (6x6) / Spade Lug, 1.0ft (0.3m)	2.50	2.45	2.35	2.20	1.88
TDC028-2	Flat Modular Cable, RJ12 (6x6) / Spade Lug, 2.0ft (0.7m)	2.75	2.69	2.59	2.42	2.06
TDC028-7	Flat Modular Cable, RJ12 (6x6) / Spade Lug, 7.0ft (2.1m)	3.75	3.67	3.52	3.30	2.81
TDC028-14	Flat Modular Cable, RJ12 (6x6) / Spade Lug, 14.0ft (4.3m)	5.00	4.90	4.70	4.40	3.75
TDC004-1	Flat Modular Cable, RJ45 (8x8) / Spade Lug, 1.0ft (0.3m)	3.00	2.94	2.82	2.64	2.25
TDC004-2	Flat Modular Cable, RJ45 (8x8) / Spade Lug, 2.0ft (0.7m)	3.25	3.19	3.05	2.86	2.44
TDC004-7	Flat Modular Cable, RJ45 (8x8) / Spade Lug, 7.0ft (2.1m)	4.50	4.41	4.23	3.96	3.38

Flat Silver Satin Modular Cable - Plug to Plug, Straight-thru Wiring

Silver satin flat modular cords with two modular plugs. Wired straight-thru (1-1, 2-2, 3-3…) for most low speed data applications. Choose four conductor (RJ11), six conductor (RJ12) or eight conductor (RJ45).

TDC301	Flat Modular Cable, RJ11 (6x4) / RJ11 (6x4), 1.0ft (0.3m)	1.75	1.71	1.65	1.54	1.31
TDC302	Flat Modular Cable, RJ11 (6x4) / RJ11 (6x4), 2.0ft (0.7m)	1.95	1.91	1.83	1.72	1.46
TDC303	Flat Modular Cable, RJ11 (6x4) / RJ11 (6x4), 3.0ft (0.9m)	2.00	1.96	1.88	1.76	1.50
TDC305	Flat Modular Cable, RJ11 (6x4) / RJ11 (6x4), 5.0ft (1.5m)	2.15	2.11	2.02	1.89	1.61
TDC307	Flat Modular Cable, RJ11 (6x4) / RJ11 (6x4), 7.0ft (2.1m)	2.25	2.21	2.11	1.98	1.69
TDC314	Flat Modular Cable, RJ11 (6x4) / RJ11 (6x4), 14.0ft (4.3m)	3.25	3.19	3.05	2.86	2.44
TDC325	Flat Modular Cable, RJ11 (6x4) / RJ11 (6x4), 25.0ft (7.6m)	4.75	4.66	4.46	4.18	3.56
TDC057-2	Flat Modular Cable, RJ12 (6x6) / RJ12 (6x6), 2.0ft (0.7m)	2.75	2.69	2.59	2.42	2.06
TDC057-7	Flat Modular Cable, RJ12 (6x6) / RJ12 (6x6), 7.0ft (2.1m)	3.75	3.67	3.52	3.30	2.81
TDC057-14	Flat Modular Cable, RJ12 (6x6) / RJ12 (6x6), 14.0ft (4.3m)	5.00	4.90	4.70	4.40	3.75
TDC057-25	Flat Modular Cable, RJ12 (6x6) / RJ12 (6x6), 25.0ft (7.6m)	7.00	6.86	6.58	6.16	5.25
TDC057-50	Flat Modular Cable, RJ12 (6x6) / RJ12 (6x6), 50.0ft (15.2m)	11.50	11.27	10.81	10.12	8.63
TDC053-2	Flat Modular Cable, RJ45 (8x8) / RJ45 (8x8), 2.0ft (0.7m)	3.00	2.94	2.82	2.64	2.25
TDC053-7	Flat Modular Cable, RJ45 (8x8) / RJ45 (8x8), 7.0ft (2.1m)	4.50	4.41	4.23	3.96	3.38
TDC053-14	Flat Modular Cable, RJ45 (8x8) / RJ45 (8x8), 14.0ft (4.3m)	6.25	6.13	5.88	5.50	4.69
TDC053-25	Flat Modular Cable, RJ45 (8x8) / RJ45 (8x8), 25.0ft (7.6m)	9.00	8.82	8.46	7.92	6.75
TDC053-50	Flat Modular Cable, RJ45 (8x8) / RJ45 (8x8), 50.0ft (15.2m)	15.25	14.95	14.33	13.42	11.44
TDC053-100	Flat Modular Cable, RJ45 (8x8) / RJ45 (8x8), 100.0ft (30.5m)	28.00	27.44	26.32	24.64	21.00

Flat Silver Satin Modular Cable - Plug to Plug, Crossed Wiring

Silver satin flat modular cords with two modular plugs. Crossed wires for many voice applications. Choose four conductor (RJ11), six conductor (RJ12) or eight conductor (RJ45).

TDC207	Flat Modular Cable, RJ11 (6x4) / RJ11 (6x4), 7.0ft (2.1m)	2.25	2.21	2.11	1.98	1.69
TDC214	Flat Modular Cable, RJ11 (6x4) / RJ11 (6x4), 14.0ft (4.3m)	3.25	3.19	3.05	2.86	2.44
TDC225	Flat Modular Cable, RJ11 (6x4) / RJ11 (6x4), 25.0ft (7.6m)	4.50	4.41	4.23	3.96	3.38
TDC027-2	Flat Modular Cable, RJ12 (6x6) / RJ12 (6x6), 2.0ft (0.7m)	2.75	2.69	2.59	2.42	2.06
TDC027-7	Flat Modular Cable, RJ12 (6x6) / RJ12 (6x6), 7.0ft (2.1m)	3.75	3.67	3.52	3.30	2.81
TDC027-14	Flat Modular Cable, RJ12 (6x6) / RJ12 (6x6), 14.0ft (4.3m)	5.00	4.90	4.70	4.40	3.75
TDC027-25	Flat Modular Cable, RJ12 (6x6) / RJ12 (6x6), 25.0ft (7.6m)	7.00	6.86	6.58	6.16	5.25
TDC003-2	Flat Modular Cable, RJ45 (8x8) / RJ45 (8x8), 2.0ft (0.7m)	3.25	3.19	3.05	2.86	2.44
TDC003-7	Flat Modular Cable, RJ45 (8x8) / RJ45 (8x8), 7.0ft (2.1m)	4.50	4.41	4.23	3.96	3.38
TDC003-14	Flat Modular Cable, RJ45 (8x8) / RJ45 (8x8), 14.0ft (4.3m)	6.25	6.13	5.88	5.50	4.69
TDC003-25	Flat Modular Cable, RJ45 (8x8) / RJ45 (8x8), 25.0ft (7.6m)	9.00	8.82	8.46	7.92	6.75

Flat Silver Satin Modular Cable - DEC Plug to DEC Plug, Crossed Wiring

Special silver satin flat modular cords for DEC applications. Assemblies utilize 6 position modified modular plugs with offset connectors. Cross wired.

TDC067-7D	Flat Modular Cable, RJ12 (6x6MMJ) / RJ12 (6x6MMJ), 7.0ft (2.1m)	7.99	7.83	7.67	7.51	7.35
TDC067-14D	Flat Modular Cable, RJ12 (6x6MMJ) / RJ12 (6x6MMJ), 14.0ft (4.3m)	8.99	8.81	8.63	8.45	8.27

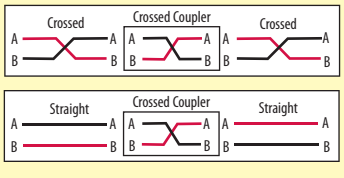
Tip

What is the difference between straight-thru and cross pinning?

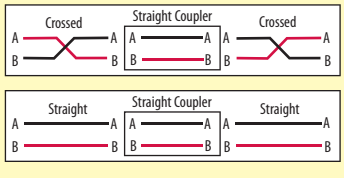
Straight-thru means each contact is straight pinned to its respective contact (1-1, 2-2, 3-3, etc.). Crossed pinning means contacts are pinned through to the opposite contact. Example: on an 8 position RJ45: 1-8, 2-7, 3-6, etc.

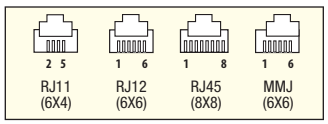
When using a coupler between two patch cords it is important to choose the correct type. As the diagrams illustrate, if the desired pinning from end to end is crossed then the coupler and cables must be crossed. For straight pinning, all cables and couplers must be straight-thru type.

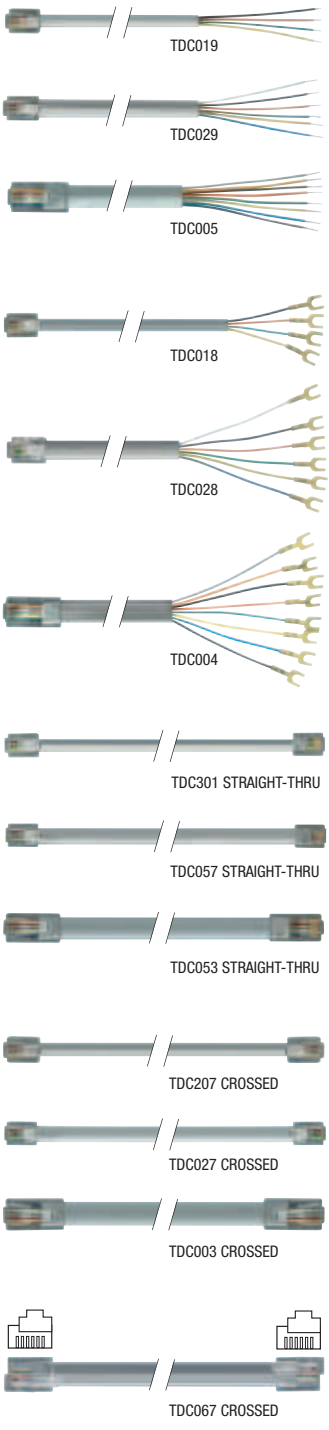
Crossed Couplers with Crossed Output



Straight Couplers with Straight Output







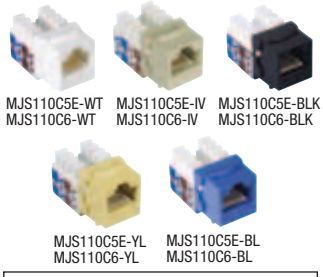
Bulk Flat Cable can be found on page 71.

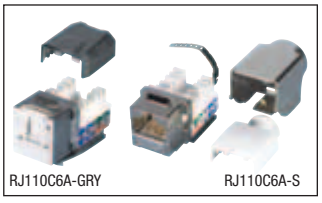
Custom design and manufacturing capabilities

Our product design process takes you from concept to production. L-com.com/Custom

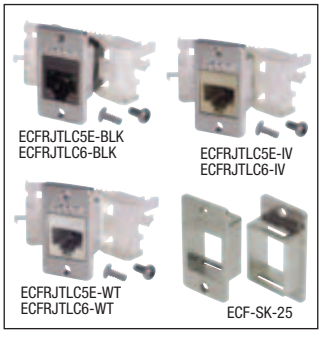
L-com® Global Connectivity











Item #	Description	Color	1-9	10-24	25-99	100-249	250-499

L-com's Tool-less Jack Series

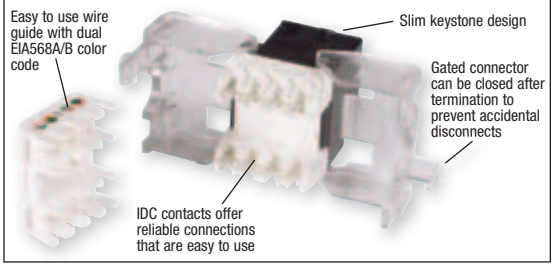
For the best performance with a unique IDC connection that is easy to use and reliable, L-com's tool-less jacks are the answer. This simple wire guide makes it effortless for users to terminate their conductors securely. Each jack is intelligently designed into a compact and efficient body. Jacks are also available with a flanged connector for installation in panels too thick for a standard keystone.

How to terminate a keystone tool-less jack

Online Video

L-com.com/Videos/A26

Tool-less termination speeds installations



Category 5e - Tool-less Keystone Jacks

RJTLC5E-WT	Category 5e Tool-less Keystone Jack, RJ45 (8x8) 568A/B	White	4.95	4.46	3.96	3.46	2.97
RJTLC5E-IV	Category 5e Tool-less Keystone Jack, RJ45 (8x8) 568A/B	Ivory	4.95	4.46	3.96	3.46	2.97
RJTLC5E-BLK	Category 5e Tool-less Keystone Jack, RJ45 (8x8) 568A/B	Black	4.95	4.46	3.96	3.46	2.97

Category 6 - Tool-less Keystone Jacks

RJTLC6-WT	Category 6 Tool-less Keystone Jack, RJ45 (8x8) 568A/B	White	5.95	5.36	4.76	4.17	3.57
RJTLC6-IV	Category 6 Tool-less Keystone Jack, RJ45 (8x8) 568A/B	Ivory	5.95	5.36	4.76	4.17	3.57
RJTLC6-BLK	Category 6 Tool-less Keystone Jack, RJ45 (8x8) 568A/B	Black	5.95	5.36	4.76	4.17	3.57

Shielded Category 6a - Tool-less Jack

RJTLC6A-S	Shielded Category 6a Tool-less Keystone Jack, RJ45 (8x8) 568A/B	Silver	14.95	13.75	12.56	11.36	10.17

Category 5e, 6 and 6a - 110 Keystone Jacks - 90 Degree Style

L-com's keystone 110 punch down style connectors offer users simple installation via the popular 110 punch down style connecting system. Each jack is color coded for the EIA/TIA568 A and B standards.

MJS110C5E-WT	Category 5e Keystone Jack, 110 / RJ45 (8x8) 568A/B	White	2.95	2.66	2.36	2.06	1.77
MJS110C5E-IV	Category 5e Keystone Jack, 110 / RJ45 (8x8) 568A/B	Ivory	2.95	2.66	2.36	2.06	1.77
MJS110C5E-BLK	Category 5e Keystone Jack, 110 / RJ45 (8x8) 568A/B	Black	2.95	2.66	2.36	2.06	1.77
MJS110C5E-YL	Category 5e Keystone Jack, 110 / RJ45 (8x8) 568A/B	Yellow	2.95	2.66	2.36	2.06	1.77
MJS110C5E-BL	Category 5e Keystone Jack, 110 / RJ45 (8x8) 568A/B	Blue	2.95	2.66	2.36	2.06	1.77
MJS110C6-WT	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	White	3.95	3.56	3.16	2.77	2.37
MJS110C6-IV	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Ivory	3.95	3.56	3.16	2.77	2.37
MJS110C6-BLK	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Black	3.95	3.56	3.16	2.77	2.37
MJS110C6-YL	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Yellow	3.95	3.56	3.16	2.77	2.37
MJS110C6-BL	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Blue	3.95	3.56	3.16	2.77	2.37
RJ110C6A-GRY	Category 6a Keystone Jack, 110 / RJ45 (8x8) 568A/B	Gray	11.95	10.99	10.04	9.08	8.13

Shielded Category 5e, 6 and 6a Jacks

L-com's shielded modular jacks offer users a complete solution to EMI/RFI problems. By utilizing fully shielded jacks and connecting hardware, users can reduce the effects of interference on the network data transmissions. All jacks feature 110-style punch down connections for fast and easy termination.

MJS110C5E-S	Shielded Category 5e Keystone Jack, 110 / RJ45 (8x8) 568A/B	Silver	4.95	4.46	3.96	3.46	2.97
MJS110C6-S	Shielded Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Silver	5.95	5.36	4.76	4.17	3.57
RJ110C6A-S	Shielded Category 6a Keystone Jack, 110 / RJ45 (8x8) 568A/B	Silver	13.95	12.83	11.72	10.60	9.49

Category 5e and Category 6 Keystone Jack Kits - 110/RJ45 EIA568A/B

These unique panel mount RJ45 connector kits allow keystone style 110 IDC connectors to be mounted into panels thicker than 0.062". Packaged as a kit, including the flange, two 4-40 screws, and one RJ45 Cat5e or Cat6 jack.

ECF110C5E-BLK	Category 5e Keystone Jack, 110 / RJ45 (8x8) 568A/B	Black	5.95	5.83	5.59	5.24	4.46
ECF110C5E-BL	Category 5e Keystone Jack, 110 / RJ45 (8x8) 568A/B	Blue	5.95	5.83	5.59	5.24	4.46
ECF110C5E-IV	Category 5e Keystone Jack, 110 / RJ45 (8x8) 568A/B	Ivory	5.95	5.83	5.59	5.24	4.46
ECF110C5E-WT	Category 5e Keystone Jack, 110 / RJ45 (8x8) 568A/B	White	5.95	5.83	5.59	5.24	4.46
ECF110C5E-YL	Category 5e Keystone Jack, 110 / RJ45 (8x8) 568A/B	Yellow	5.95	5.83	5.59	5.24	4.46
ECF110C5E-S	Shielded Category 5e Keystone Jack, 110 / RJ45 (8x8) 568A/B	Silver	6.95	6.81	6.53	6.12	5.21
ECF110C6-BLK	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Black	7.95	7.79	7.47	7.00	5.96
ECF110C6-BL	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Blue	7.95	7.79	7.47	7.00	5.96
ECF110C6-IV	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Ivory	7.95	7.79	7.47	7.00	5.96
ECF110C6-WT	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	White	7.95	7.79	7.47	7.00	5.96
ECF110C6-YL	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Yellow	7.95	7.79	7.47	7.00	5.96
ECF110C6-S	Shielded Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Silver	8.95	8.77	8.41	7.88	6.71

Category 5e and Category 6 Tool-less Keystone Jack Kits - RJ45 EIA568A/B

The ECFRJTL series of panel mount RJ45 connector kits allow L-com's tool-less RJ45 keystone connectors to mount into panels thicker than 0.062". Packaged as a kit, including the flange, two 4-40 screws, and one RJ45 Cat5e or Cat6 jack.

ECFRJTLC5E-BLK	Category 5e Keystone Jack, 110 / RJ45 (8x8) 568A/B	Black	8.95	8.05	7.16	6.26	5.37
ECFRJTLC5E-IV	Category 5e Keystone Jack, 110 / RJ45 (8x8) 568A/B	Ivory	8.95	8.05	7.16	6.26	5.37
ECFRJTLC5E-WT	Category 5e Keystone Jack, 110 / RJ45 (8x8) 568A/B	White	8.95	8.05	7.16	6.26	5.37
ECFRJTLC6-BLK	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Black	9.95	8.96	7.96	6.96	5.97
ECFRJTLC6-IV	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Ivory	9.95	8.96	7.96	6.96	5.97
ECFRJTLC6-WT	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	White	9.95	8.96	7.96	6.96	5.97

ECF Keystone Panel Adapters - Pkg/25

L-com now offers convenient bags of 25 of our ECF style flanges for use in patch panel and enclosure designs which require L-com's unique ECF flanges. These rugged flanges are perfect for use with Category 3/5/5e/6/6a keystone couplers. Order online today.

ECF-SK-25	ECF Keystone Panel Adapter Kit, Pkg/25	Silver	24.95	24.45	23.95	23.45	22.95

L-com Global Connectivity

Connect with L-com Global Connectivity

Item #	Description	Color	1-9	10-24	25-99	100-249	250-499

Category 3 RJ12 110 Keystone Jacks - Telephone and Data Applications

L-com's keystone Category 3 110 punch style connectors offer an economical choice with the popular 110-punch style connection system. Each jack is color coded for both the EIA and USOC standards for compatibility with any installation. Jacks are available in two colors to fit individual installations. Large volume quotations are available for installers and contractors looking to save money. Contact us today.

MJS110RJ12-IV	Category 3 RJ12 IDC Keystone Jack	Ivory	1.95	1.75	1.56	1.37	1.17
MJS110RJ12-WT	Category 3 RJ12 IDC Keystone Jack	White	1.95	1.75	1.56	1.37	1.17

Category 5e Economy 110 IDC Keystone Jacks - Package of 25 White

This economy series offers true category 5e performance with an installer friendly price. Packaged 25 pieces per bag. Available in White.

RJE110C5E90-PK	Category 5e Economy 110 IDC Keystone Jacks - Package of 25	White	37.95	36.81	35.67	34.16	30.36

Premium Category 6 RJ45 - 110 Keystone Jack - 90 Degree Style

Hellermann-Tyton's Gigaband™ Category 6 modular jack is designed to "future proof" installations. Its patented design uses innovative crosstalk cancellation technology. The performance of the Gigaband system exceeds Category 6 and Class E requirements. These jacks will easily support emerging applications such as Gigabit Ethernet and 622 Mbps ATM. The 90° design has the 110 connectors at right angles to the modular plug. Comes in colors of Black, Blue, Office White, Green, Gray, Ivory, Orange, Red, Violet, White and Yellow.

Category 6 Keystone Jack, 110/RJ45 (8x8), EIA568A/B

UJ110C6-BLK	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Black	7.95	7.63	7.31	7.00	CALL
UJ110C6-BLU	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Blue	7.95	7.63	7.31	7.00	CALL
UJ110C6-FW	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Office White	7.95	7.63	7.31	7.00	CALL
UJ110C6-GRN	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Green	7.95	7.63	7.31	7.00	CALL
UJ110C6-GRY	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Gray	7.95	7.63	7.31	7.00	CALL
UJ110C6-I	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Ivory	7.95	7.63	7.31	7.00	CALL
UJ110C6-ORN	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Orange	7.95	7.63	7.31	7.00	CALL
UJ110C6-RED	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Red	7.95	7.63	7.31	7.00	CALL
UJ110C6-VIO	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Violet	7.95	7.63	7.31	7.00	CALL
UJ110C6-W	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	White	7.95	7.63	7.31	7.00	CALL
UJ110C6-YEL	Category 6 Keystone Jack, 110 / RJ45 (8x8) 568A/B	Yellow	7.95	7.63	7.31	7.00	CALL

Premium Category 5e RJ45 - 110 Keystone Jack - 90 Degree Style

Hellermann-Tyton Megaband™ Category 5e flush modular jacks are designed to meet the needs of end users and installers. These jacks will support Gigabit Ethernet and 622 Mbps ATM applications.

UJ110C5E-BLK	Category 5e Keystone Jack, 110 / RJ45 (8x8) EIA568A/B	Black	5.95	5.71	5.47	5.24	CALL
UJ110C5E-BLU	Category 5e Keystone Jack, 110 / RJ45 (8x8) EIA568A/B	Blue	5.95	5.71	5.47	5.24	CALL
UJ110C5E-BRN	Category 5e Keystone Jack, 110 / RJ45 (8x8) EIA568A/B	Brown	5.95	5.71	5.47	5.24	CALL
UJ110C5E-FW	Category 5e Keystone Jack, 110 / RJ45 (8x8) EIA568A/B	Office White	5.95	5.71	5.47	5.24	CALL
UJ110C5E-GRN	Category 5e Keystone Jack, 110 / RJ45 (8x8) EIA568A/B	Green	5.95	5.71	5.47	5.24	CALL
UJ110C5E-GRY	Category 5e Keystone Jack, 110 / RJ45 (8x8) EIA568A/B	Gray	5.95	5.71	5.47	5.24	CALL
UJ110C5E-I	Category 5e Keystone Jack, 110 / RJ45 (8x8) EIA568A/B	Ivory	5.95	5.71	5.47	5.24	CALL
UJ110C5E-ORN	Category 5e Keystone Jack, 110 / RJ45 (8x8) EIA568A/B	Orange	5.95	5.71	5.47	5.24	CALL
UJ110C5E-RED	Category 5e Keystone Jack, 110 / RJ45 (8x8) EIA568A/B	Red	5.95	5.71	5.47	5.24	CALL
UJ110C5E-W	Category 5e Keystone Jack, 110 / RJ45 (8x8) EIA568A/B	White	5.95	5.71	5.47	5.24	CALL
UJ110C5E-YEL	Category 5e Keystone Jack, 110 / RJ45 (8x8) EIA568A/B	Yellow	5.95	5.71	5.47	5.24	CALL

Category 6a RJ45 - 110 Keystone Jack - Traditional 180 Degree Style

L-com now offers the latest in Ethernet technology in the Category 6a standard. With network speeds up to 10 Gigabit, video and large file transfers are a breeze. These IDC 110 jacks are easy to assemble and the popular Keystone mount design is compatible with many different wall plates. Build your network with the fastest network technology available today.

RJ110C6A-90-GRY	Category 6a Keystone Jack, 110 / RJ45 (8x8) EIA568A/B	Gray	11.95	10.99	10.04	9.08	8.13

Category 5e RJ45 - 110 Keystone Jack - Traditional 180 Degree Style

The traditional 180° design has the 110 connectors parallel to the modular plug entry. This jack comes in Ivory and is EIA568A/B dual color coded.

RJ110C5B-I	Category 5e Keystone Jack, 110 / RJ45 (8x8) EIA568A/B	Ivory	5.95	5.83	5.71	5.59	5.47

10 Position Category 5 and USOC - 110 IDC Keystone Jacks - Traditional 180 Degree Style

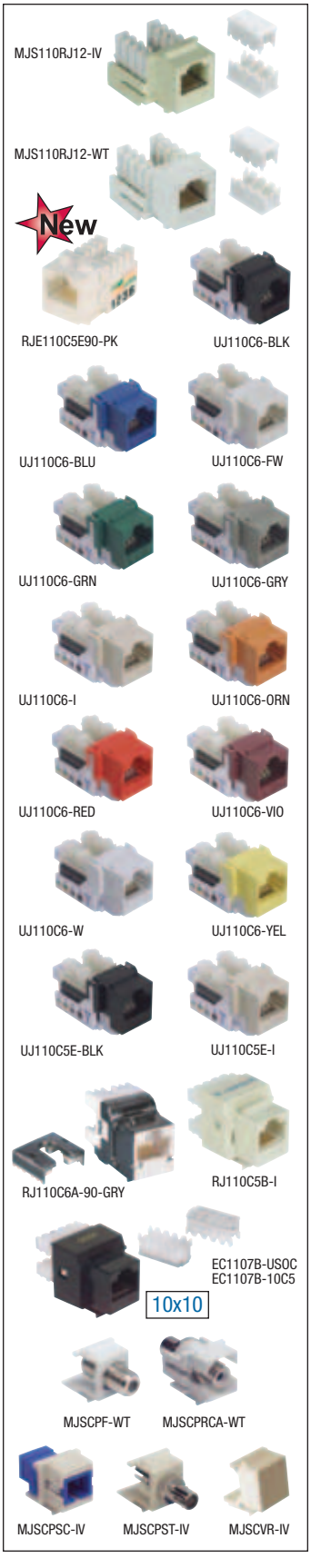
These 10 position 10 contact keystone style jacks are an ideal solution in applications where additional contacts are required. The traditional 180° design has the 110 connectors parallel to the modular plug entry. Category 5 version is dual color coded, compatible with EIA568A and B wiring with position 1 and 10 populated.

EC1107B-USOC	Keystone IDC - 10P10C Jack, USOC	Black	6.95	6.67	6.39	6.12	CALL
EC1107B-10C5	Keystone IDC - 10P10C Jack, Cat5-568A/B	Black	6.95	6.67	6.39	6.12	CALL

Miscellaneous Keystone Jacks - Coaxial, Fiber and Audio/Video Couplers

Add more than just data and telephone connections to workstation outlets. L-com features audio, video, fiber and RF adapters designed to fit our wall plate systems.

MJSCPF-WT	Keystone Coaxial Type F Coupler Insert	White	1.45	1.30	1.16	1.01	0.87
MJSCPRCA-WT	Keystone RCA Coupler Insert	White	2.45	2.21	1.96	1.72	1.47
MJSCPSC-WT	Keystone Fiber SC Coupler Insert	White	5.95	5.36	4.76	4.17	3.57
MJSCPST-WT	Keystone Fiber ST Coupler Insert	White	5.95	5.36	4.76	4.17	3.57
MJSCVR-WT	Keystone Blank Insert	White	0.35	0.34	0.32	0.31	0.29
MJSCPF-IV	Keystone Coaxial Type F Coupler Insert	Ivory	1.45	1.30	1.16	1.01	0.87
MJSCPRCA-IV	Keystone RCA Coupler Insert	Ivory	2.45	2.21	1.96	1.72	1.47
MJSCPBNC-IV	Keystone BNC Coupler Insert	Ivory	3.49	3.21	2.93	2.65	2.37
MJSCPSC-IV	Keystone Fiber SC Coupler Insert	Ivory	5.95	5.36	4.76	4.17	3.57
MJSCPST-IV	Keystone Fiber ST Coupler Insert	Ivory	5.95	5.36	4.76	4.17	3.57
MJSCVR-IV	Keystone Blank Insert	Ivory	0.35	0.34	0.32	0.31	0.29



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L-com® Global Connectivity


MWP101K-WT


MWP102K-WT


MWP103K-WT


MWP104K-WT


MWP101K-IV


MWP102K-IV


MWP103K-IV


ECP001

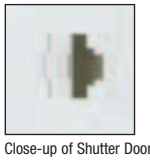

ECP002


MWP401K-WT


MWP402K-WT


MWP403K-WT


MWP404K-WT


Close-up of Shutter Door

Medical Grade

Meets IEC 6060-1 Medical Device Safety Standards




6000687-L


6000693-L

Item #	Description	Color	1-9	10-24	25-99	100-249	250-499

Flush Mount Wall Plates that Accept Keystone Jacks

The flush mount wall plate series offers a choice of keystone port options for users to configure each workstation outlet for individual needs. These wall plates come in a choice of White or Ivory and can accept up to six keystone inserts.

MWP101K-WT	Flush Wall Plate for 1 Keystone Jack	White	1.59	1.43	1.27	1.11	0.95
MWP102K-WT	Flush Wall Plate for 2 Keystone Jacks	White	1.59	1.43	1.27	1.11	0.95
MWP103K-WT	Flush Wall Plate for 3 Keystone Jacks	White	1.59	1.43	1.27	1.11	0.95
MWP104K-WT	Flush Wall Plate for 4 Keystone Jacks	White	1.59	1.43	1.27	1.11	0.95
MWP101K-IV	Flush Wall Plate for 1 Keystone Jack	Ivory	1.59	1.43	1.27	1.11	0.95
MWP102K-IV	Flush Wall Plate for 2 Keystone Jacks	Ivory	1.59	1.43	1.27	1.11	0.95
MWP103K-IV	Flush Wall Plate for 3 Keystone Jacks	Ivory	1.59	1.43	1.27	1.11	0.95

Stainless Wall Plates for Usage in High EMI/RFI Environments or Medical Applications

These stainless wall plates offer users a clean finish for information outlets in environments where traditional plastic wall plates are not suitable.

ECP001	Stainless Wall Plate for 1 Keystone Jack	Silver	1.95	1.87	1.79	1.72	1.64
ECP002	Stainless Wall Plate for 2 Keystone Jacks	Silver	1.95	1.87	1.79	1.72	1.64

Flush Mount Wall Plates with Shutter Doors

For a professional look to any installation select L-com's Keystone wall plates. The flush mount design maintains a low profile with the wall and the integrated shutter door prevents dust/debris from getting into the ports. They are available in a choice of keystone port options for you to configure each workstation outlet for individual needs. We stock large quantities of plates that can accept up to four keystone inserts. Contact us for your next project.

- Flush mount Keystone wall plates with a smooth gloss finish
- Integrated shutter prevents dust and debris from entering the port
- No visible mounting hardware for a clean finished look
- Available with up to 4 Keystone ports
- Contractor quotations welcome for large quantities or custom colors

MWP401K-WT	Flush Mount Wall Plate for 1 Keystone Jack	White	2.95	2.89	2.77	2.60	2.21
MWP402K-WT	Flush Mount Wall Plate for 2 Keystone Jacks	White	3.19	3.13	3.00	2.81	2.39
MWP403K-WT	Flush Mount Wall Plate for 3 Keystone Jacks	White	3.49	3.42	3.28	3.07	2.62
MWP404K-WT	Flush Mount Wall Plate for 4 Keystone Jacks	White	3.59	3.52	3.37	3.16	2.69

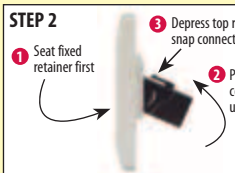
Tip — How to easily panel mount a Keystone style connector

Keystone style refers to the snap-in mounting mechanism that many manufacturers have adopted. It is simple, requires no tools and is easily removable.

STEP 1

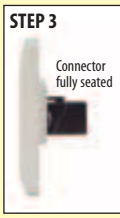
L-com's two piece wall plate design hides the screw holes from view to provide a sleek, clean display.

STEP 2



Seat bottom retainer and pivot connector upward while depressing upper retainer.

STEP 3





Slide the dust cover up to connect a cable assembly. The dust cover will slide closed when nothing is connected.

Item #	Description	Color	List Price

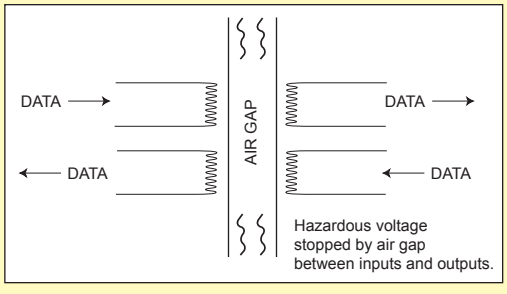
L-com Isolator Wall Plates for 10/100 and 10/100/1000 Ethernet Networks

L-com's Ethernet Isolator wall plates are fully self-contained devices that protect valuable network equipment from damaging surges and power anomalies that commonly occur across network cabling. Operation and installation is quick and easy. Simply plug these devices in-line between the cabling behind the wall and the patch cable that normally attaches the equipment to the network. Choose from models that support 10/100 Mbps or 10/100/1000 Mbps data rates. These isolators are available in Stainless Steel or Beige High Impact ABS Plastic. Each unit is fully RoHS compliant and has been certified to meet the IEC 6060-1 Medical Device Safety Standard making them ideal for hospital and medical laboratory environments.

6000687-L	10/100/1000 Base-T Ethernet Data Isolator, Stainless	Silver	142.59
6000689-L	10/100/1000 Base-T Ethernet Data Isolator, Plastic	Ivory	139.00
6000691-L	10/100 Base-T Ethernet Data Isolator, Stainless	Silver	104.99
6000693-L	10/100 Base-T Ethernet Data Isolator, Plastic	Ivory	99.99

Tip — How isolation works

Isolators place a physical barrier between your computer or other device and the network cables that are attached to it. Only data can travel across this barrier through the coupling of magnetic fields. Hazardous voltages and ground potential differences are blocked. Surge suppressors don't electrically separate the connected equipment - they use special components to limit the energy that can travel through a data connection. Isolators eliminate the wire connections that surge suppressors don't.



L-com Global Connectivity

How to install a keystone connector into a wall plate
See the free video tip and more at L-com.com/Videos/A12



Item #	Description	Color	1-9	10-24	25-99	100-249	250-499

Information Outlet System - Custom Build Wall Plates to Fit Individual Applications

Custom design your own wall plate system using L-com's Information Outlet System. With all of today's connector types available including computer video, Ethernet RJ45, cable TV F-Type, and SC/ST fiber optic you can achieve a professional look without the cost of a professional installation. The Office White color goes well with any décor. Each module snaps in quickly saving time and money. L-com maintains a large inventory of all wall plate connectors for immediate shipment today. Keystone inserts support Category 3, 5e, and 6 style jacks only.

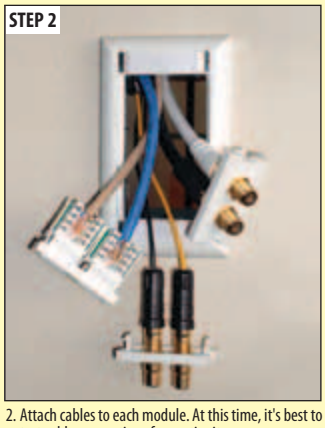
MWP400S-WT	Modular Wall Frame - Single Gang Holds 3 Insert Plates	White	1.99	1.79	1.59	1.39	1.19
MWP4BNK-WT	Insert Plate - Blank Panel	White	0.39	0.36	0.33	0.30	0.27
MWP41KS-WT	Insert Plate - One Keystone Opening	White	0.75	0.68	0.60	0.52	0.45
MWP42KS-WT	Insert Plate - Two Keystone Openings	White	0.95	0.86	0.76	0.66	0.57
MWP41HD15-WT	Insert Plate - One Video HD15 Female Coupler	White	8.95	8.23	7.52	6.80	6.09
MWP41ST-WT	Insert Plate - Simplex ST Fiber Coupler	White	8.95	8.06	7.16	6.27	5.37
MWP42ST-WT	Insert Plate - Duplex ST Fiber Coupler	White	10.95	9.86	8.76	7.66	6.57
MWP41SC-WT	Insert Plate - Simplex SC Fiber Coupler	White	8.95	8.06	7.16	6.27	5.37
MWP42RCA-WT	Insert Plate - Dual RCA Audio Couplers	White	4.95	4.46	3.96	3.46	2.97
MWP42F-WT	Insert Plate - Dual Type F Style Couplers	White	2.95	2.66	2.36	2.06	1.77

Installing an L-com Information Outlet System

Online Video
L-com.com/Videos/A17



1. Pull all cables through the wall plate and attach the plate to the wall box or bracket.



2. Attach cables to each module. At this time, it's best to test cable connections for continuity.



3. Insert completed modules into wall plate and snap firmly into place.

Decora Style Wall Plate System with Keystone Ports

Combine all your cable connections into L-com's Decora style wall plates. This popular design provides a clean, modern look to cable connections in a finished room. With support for up to three keystone jacks, you can easily combine all your telephone, network, and video connections needs in one Decora plate for a professional, finished appearance. Volume discounts are available; contact us today with your project needs.

MWP500S-WT	Decora Style Single Gang Wall Plate	1.19	1.07	0.95	0.83	0.71
MWP500D-WT	Decora Style Double Gang Wall Plate	1.79	1.61	1.43	1.25	1.07
MWP501-WT	Decora Style Wall Plate Insert with 1 Keystone Port	1.49	1.34	1.19	1.04	0.89
MWP502-WT	Decora Style Wall Plate Insert with 2 Keystone Ports	1.49	1.34	1.19	1.04	0.89
MWP503-WT	Decora Style Wall Plate Insert with 3 Keystone Ports	1.49	1.34	1.19	1.04	0.89

Wall Plate Mounting Bracket for Class 2 Wiring

The wall plate mounting bracket is an excellent aid for electricians and cable installers to mount single gang wall plates at any convenient wallboard location. There is no need for traditional metal boxes which inhibit the installation of coaxial and data cables. Furthermore, users can make use of the complete wall cavity to hold excess cable and avoid sharp bends. These brackets have universally spaced threaded holes to accept any standard single or double gang wall plate. It's simple to install, just start by making a 2.125" (5.4cm) W x 3.625" (9.2cm) H (single gang) or 3.875" (9.8cm) W x 3.625" (9.2cm) H (double gang) rectangular hole and then tighten the built-in mounting screws. Large quantity pricing for installation contractors is available upon request.

WPMB1	Wall Plate Mounting Bracket for Class 2 Wiring, Single Gang	2.49	2.34	2.19	2.04	1.89
WPMB2	Wall Plate Mounting Bracket for Class 2 Wiring, Double Gang	2.95	2.77	2.60	2.42	2.24

Shielded Category 5e and 6 Surface Mount Boxes

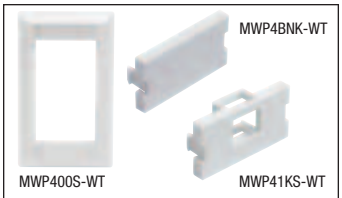
L-com's Shielded Modular Surface Mount Boxes offer users a complete solution to EMI/RFI problems. By utilizing fully shielded jacks and connecting hardware, users can reduce the effects of interference on the network data transmissions. All jacks feature 110-style punch down connections for fast and easy termination. Surface mount boxes come pre-installed with shielded jacks.

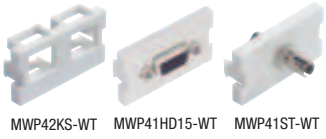
SMB110C5ES-S	Shielded Category 5e Surface Mount Jack with 1 RJ45 (8x8) 568A/B	7.95	7.16	6.36	5.56	4.77
SMB110C6S-S	Shielded Category 6 Surface Mount Jack with 1 RJ45 (8x8) 568A/B	9.95	8.96	7.96	6.96	5.97
SMD110C5ED-S	Shielded Category 5e Surface Mount Jack with 2 RJ45s (8x8) 568A/B	10.95	9.86	8.76	7.66	6.57
SMD110C6D-S	Shielded Category 6 Surface Mount Jack with 2 RJ45s (8x8) 568A/B	12.95	11.65	10.36	9.06	7.77

Surface Mount Boxes for Keystone Jacks

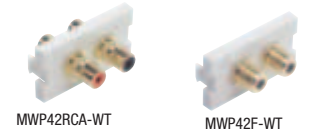
This one port surface mount box can accept standard keystone insert options. It features a location for icon inserts to identify port connection type.

SMB01K-WT	Surface Mount Box for 1 Keystone Insert	White	1.75	1.57	1.40	1.22	1.05
SMB01K-IV	Surface Mount Box for 1 Keystone Insert	Ivory	1.75	1.57	1.40	1.22	1.05

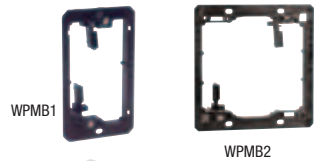








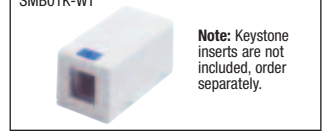






Easily wire a Surface Mount Box

Online Video
L-com.com/Videos/A18



Note: Keystone inserts are not included, order separately.

How to use the WPMB mounting brackets
See the free video tip and more at L-com.com/Videos/A16

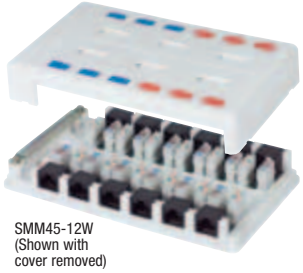
L-com Global Connectivity



SMB45-W SMB4545-W



SMM45-6W



SMM45-12W (Shown with cover removed)

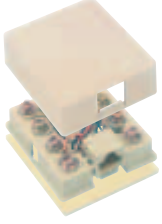


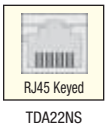
WMTA4709-WH (Front View)



WMTA4709-WH (Rear View)

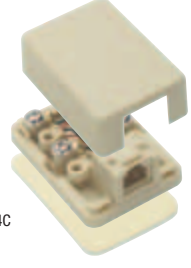
TDA310-8C





RJ45 Keyed

TDA22NS



TDA306-4C

Item #	Description	Color	1-9	10-24	25-99	100-249	250-499

Category 5e Surface Mount Boxes Include RJ45 or RJ12 Jacks and 110 Connectors

One and two port surface mount boxes include RJ45 (Category 5e) and/or RJ12 (Voice) jacks for easy surface mounting. These units feature colored icons, write on labels and tri-directional cable entry points. Both EIA568A and B wiring codes listed on RJ45 jacks. 50 microinches gold on modular contacts. Ivory or White and UL Listed.

SMB45-I	Category 5e Surface Box, Single Port, RJ45 (8x8)	Ivory	7.95	7.63	7.31	7.00	6.68
SMB45-W	Category 5e Surface Box, Single Port, RJ45 (8x8)	White	7.95	7.63	7.31	7.00	6.68
SMB4512-I	Category 5e Surface Box, RJ45 (8x8) / RJ12 (6x6)	Ivory	10.95	10.51	10.07	9.64	9.20
SMB4545-I	Category 5e Surface Box, RJ45 (8x8) / RJ45 (8x8)	Ivory	12.95	12.43	11.91	11.40	10.88
SMB4545-W	Category 5e Surface Box, RJ45 (8x8) / RJ45 (8x8)	White	12.95	12.43	11.91	11.40	10.88

Category 5e - 6 and 12 Port Surface Mount Box

These boxes are extremely useful when wiring up densely populated areas such as office cubicles. Each box utilizes 6 or 12 enhanced Category 5 (RJ45) jacks with 110 insulation displacement contacts. Modular contacts have 50 microinches gold meeting FCC requirements and 110 contacts are color coded for EIA568A and B wiring. Multiple cable entry knock outs accommodate different cable dimensions. Supplied with Blue and Red snap in icons, write in strips, double sided adhesive and wood screws. Color: White.

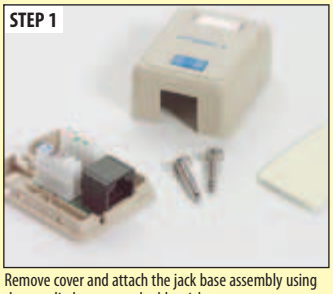
SMM45-6W	Category 5e Surface Box, 6 Port, RJ45 (8x8)	White	34.95	32.15	29.36	26.56	CALL
SMM45-12W	Category 5e Surface Box, 12 Port, RJ45 (8x8)	White	59.95	55.15	50.36	45.56	CALL

How to wire a surface mount box

Parts List:

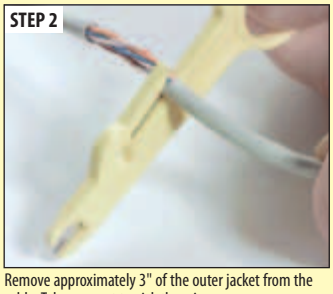
- SMB series surface mount box
- Jacket stripping tool
- Wire cutters
- 110 tool

Online Video
L-com.com/Videos/A18



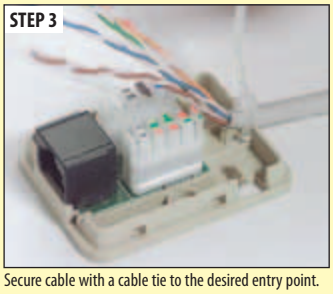
STEP 1

Remove cover and attach the jack base assembly using the supplied screws or double stick tape.



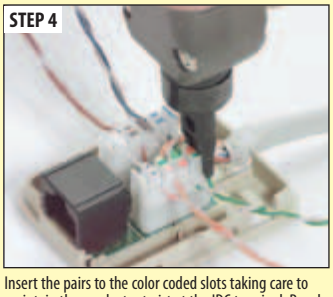
STEP 2

Remove approximately 3" of the outer jacket from the cable. Take care not to nick the wires.



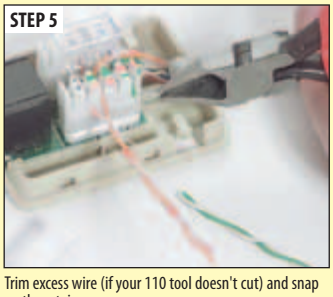
STEP 3

Secure cable with a cable tie to the desired entry point.



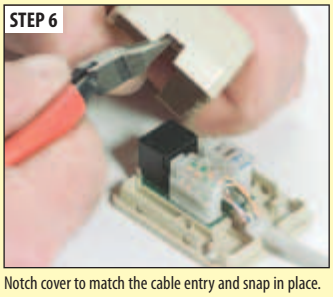
STEP 4

Insert the pairs to the color coded slots taking care to maintain the conductor twist at the IDC terminal. Punch down using a 110 style tool.



STEP 5

Trim excess wire (if your 110 tool doesn't cut) and snap on the retainer caps.



STEP 6

Notch cover to match the cable entry and snap in place.

Surface Wall Mount Backbox

Now you can easily design your own surface mount box. Depending on the kind of faceplate you choose to screw onto this backbox, you can make a surface mount box with various configurations. This backbox is designed to mount on a wall or other surface mount areas. It provides convenient rear and side knock outs for various cable entries. Each unit includes screws and double sided adhesive tape for mounting, black rubber cable door and cable tie.

WMTA4709-WH	Surface Wall Mount Backbox	2.40	2.26	2.11	1.97	1.82

Surface Mounted Jacks - Feature Standard Screw Connections and Snap Covers

Eliminating the cover retaining screw and pre-wiring the jack assembly to the terminals reduces installation time. Packaging includes double-sided adhesive tape for mounting on desks, cabinets or where attaching with wood screws is objectionable.

TDA310-4C	Modular Surface Mount Jack, Side Access, RJ11 (6x4)	1.99	1.87	1.75	1.63	1.51
TDA310-6C	Modular Surface Mount Jack, Side Access, RJ12 (6x6)	2.59	2.43	2.28	2.12	1.97
TDA310-8C	Modular Surface Mount Jack, Side Access, RJ45 (8x8)	3.99	3.75	3.51	3.27	3.03
TDA22NS	Modular Surface Mount Jack, Side Access, Keyed, RJ45 (8x8)K	3.95	3.63	3.32	3.00	2.69
RJ31X	Modular Surface Mount Jack, with Shorting Bars, RJ45 (8x8)	3.95	3.63	3.32	3.00	2.69

Surface Mounted Jacks - Narrow Type for High-Density Applications

Measuring less than 1.7" (4.3cm) in width with cable entrance in the rear and supplied with wood mounting screws and two-sided adhesive tape. Screw terminal wiring.

TDA306-4C	Modular Surface Mount Jack, End Access, RJ11 (6x4)	2.10	1.93	1.76	1.60	1.43
TDA306-6C	Modular Surface Mount Jack, End Access, RJ12 (6x6)	2.45	2.25	2.06	1.86	1.67

L-com Global Connectivity

How to wire a surface mount box
See the free video tip and more at L-com.com/Videos/A18

Item #	Description	1-9	10-24	25-99	100-249	250-499

110 Style Accessories - The Most Popular Way to Achieve Category 5e and 6 Performance

The 110 connect system is a high performance means of terminating UTP wiring and it is currently the most popular choice in installations. This system utilizes wiring blocks, connecting blocks, patch panels, 24 AWG UTP cabling and patch cords.

Most 110 style wiring blocks come pre-configured to a number of RJ45 ports, allowing easy patching with RJ45-RJ45 data grade patch cords. L-com offers a variety of common 110 style components. Other styles and configurations can be supplied on a custom basis; call our Technical Support Department for assistance.

Category 5e Wall Mount 12 Port Patch Panel

The Category 5e wall mount 12 port patch panel offers users an economical way to terminate smaller groups of connections without the need to install a rack system. Each block features industry standard 110 style connections and write-on surfaces for port identification. These panels are universally marked for EIA568A and EIA568B color codes.

DCWM110C5E-12	Category 5e Patch Panel, 12 Port EIA568A/B	42.98	39.54	36.10	32.66	29.23

Category 6 Wall Mount 12 Port Patch Panel

The Category 6 wall mount 12 port patch panel offers users high performance in a small package. Users can terminate Category 6 cabling without the need to install a rack system. Each block features industry standard 110 style connections and write-on surfaces for port identification. These panels are universally marked for EIA568A and EIA568B color codes.

DCWM110C6-12	Category 6 Patch Panel, 12 Port EIA568A/B	48.98	45.06	41.14	37.22	33.31

Category 5e 19" (48.3cm) Rack Mount Patch Panel - 24 and 48 Port

L-com's Category 5e 19" (48.3cm) rack mount patch panels come pre-configured in 24 and 48 port versions. These panels feature industry standard 110 punch-down style termination for quick installation. Users can identify ports by either writing directly on the screened in label surfaces or using a regular label printer to create labels. Each port is EIA568A/B color encoded for compatibility with all types of network jacks and cabling.

DCP110C5E-24	Category 5e Patch Panel, 24 Port EIA568A/B	96.98	89.22	81.46	73.70	65.95
DCP110C5E-48	Category 5e Patch Panel, 48 Port EIA568A/B	214.98	197.78	180.58	163.38	146.19
DCP110C5E-48S	Category 5e Patch Panel, 48 Port Shielded EIA568A/B	254.98	234.58	214.18	193.78	254.98

Category 6 19" (48.3cm) Rack Mount Patch Panel - 24 and 48 Port

For enhanced performance users can choose L-com's Category 6 rack mount patch panels. These panels feature Category 6 performance for today's high-speed network installations. Installers will find easy to use 110 style punch down terminals for cable termination and write-on surfaces for port identification on the front panel. Each port is EIA568A/B color encoded for compatibility with all types of network jacks and cabling.

DCP110C6-24	Category 6 Patch Panel, 24 Port EIA568A/B	149.98	137.98	125.98	113.98	101.99
DCP110C6-48	Category 6 Patch Panel, 48 Port EIA568A/B	246.98	227.22	207.46	187.70	167.95
DCP110C6-48S	Category 6 Patch Panel, 48 Port Shielded EIA568A/B	286.98	264.02	241.06	218.10	195.15
MRP110C6-48	Category 6 Patch Panel, 48 Port EIA568A/B	199.95	179.95	159.96	139.96	119.97

Voice Grade 19" (48.3cm) Patch Panel with 50 RJ12 Ports

Consolidate voice terminations to your rack panel with L-com's 50 port RJ12 voice grade patch panel. This panel features a compact 1U 1.75" design with a total of 50 RJ12 style ports. On the back, installers will find 110 style connections for simple termination of cabling.

MRP110RJ12-50	Voice Grade Patch Panel, 50 Port RJ12	139.95	128.75	117.56	106.36	95.17

Hellermann-Tyton® Premium Category 5e 19" (48.3cm) Patch Panels - 24 and 48 Port

These universal patch panels are pre-configured in 24 and 48 port versions to meet the needs of most customer applications. Panels are offered with increments of 6 port modules - which can be replaced if damaged during installation. The universal panels can be used for both T568A and T568B wiring.

PP110C5E24	Enhanced Category 5e Panel, 24 Port	139.95	131.55	123.16	114.76	CALL
PP110C5E48	Enhanced Category 5e Panel, 48 Port	249.95	234.95	219.96	204.96	CALL
PP110C5E6	Enhanced Category 5e Module 6 Pack	29.95	28.15	26.36	24.56	CALL

Hellermann-Tyton® Premium Category 6 19" (48.3cm) Patch Panels - 24 and 48 Port

These universal patch panels are pre-configured in 24 and 48 port versions to meet the needs of nearly all customer applications. These panels are offered in increments of 6 port modules which can be replaced if damaged during installation. The universal panels can be used for both T568A and T568B wiring configurations, thus eliminating the need for extra inventory. These panels have a flush, front face which provides for an attractive appearance. Also available is a very simple, easy to install rear cable manager which is recommended for all Category 6 installations.

HT110C6PP-24	Category 6 Patch Panel, 24 Port EIA568A/B	229.95	220.75	211.55	202.36	CALL
HT110C66	Category 6 Replacement Module - 6 pack	49.95	48.95	47.95	46.95	45.95
HTTRCM	Universal Rear Cable Manager	44.03	41.39	38.75	36.10	CALL

100Base-T, Category 5 Telco Patch Panels - 24 and 48 Port

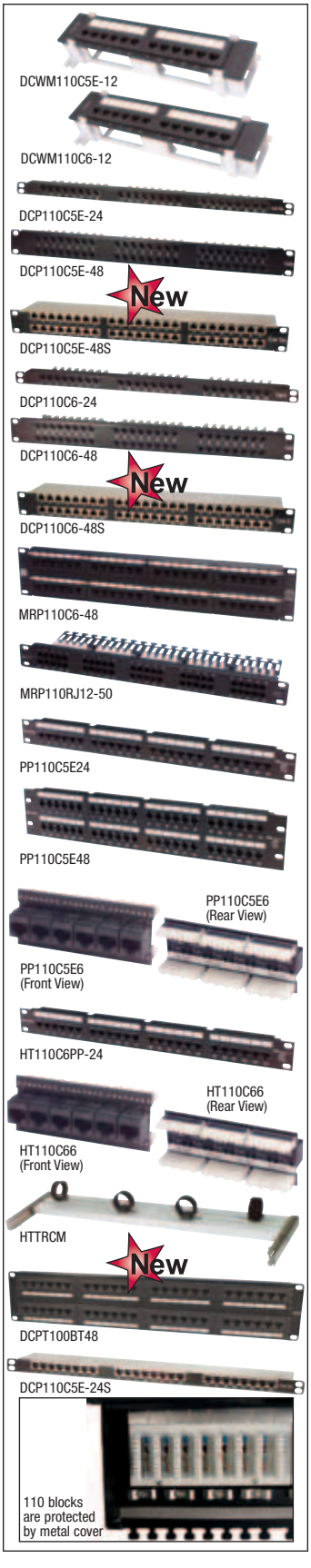
These low profile, high density Telco patch panels provide the ability to connect up to 24/48 Cat5 Ethernet patch cords to four 25 pair Telco style interface connectors, while maintaining Category 5 100 Base-T performance throughout the cabling system. Color: Black

DCPT100BT24	1U High, 24 Port Telco Category 5e Patch Panel	99.98	91.98	83.98	75.98	67.99
DCPT100BT48	2U High, 48 Port Telco Category 5e Patch Panel	199.98	183.98	167.98	151.98	135.99

24 Port Category 5e Shielded 19" (48.3cm) Patch Panel - Industrial Grade

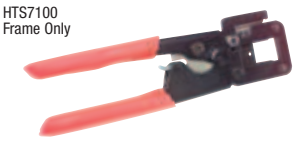
This Category 5e rack panel is fully shielded for use in areas with high levels of noise and EMI. Commonly used in industrial environments the panels are made using heavy gauge sheet metal that fully encloses over the circuit board and cable terminations for ultimate shielding. Permanent connections are made to 110 style IDC contacts and patching is made through shielded RJ45 (8x8) modular connectors. This 24 port panel mounts into standard 19" (48.3cm) racks and takes 1U of rack height (1.75in/4.4cm). Compatible with EIA568A or B wiring schemes. 18 AWG grounding wire included. Color: Black

DCP110C5E-24S	24 Port Shielded Category 5e Patch Panel	148.98	137.06	125.14	113.22	101.31



To see our entire product offering
go to...L-com.com

L-com® Global Connectivity


HTS7100
Frame Only


HTS7100-04
4 Position Die Set

HTS7100-06A
6 Position Die Set


HTS501


HT1500
for RJ11/12
& RJ45

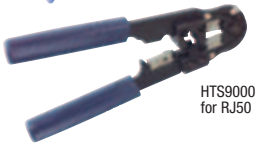

HT210A
for RJ45


HT2096
for RJ11/12


HT2094C
for Handset


HTS2500


HTS2600


HTS9000
for RJ50


TCPT2

TCPT110


TCK68MOD

Item #	Description	1-9	10-24	25-99	100-249	250-499

Tela-Crimp Tool Provides High Level of Versatility and Termination Reliability

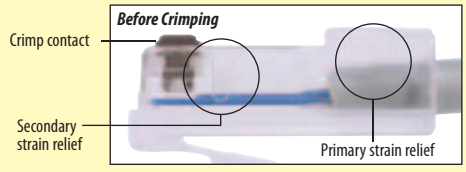
The ultimate design based on many years experience, this new model produces a perfect crimp every time and is offered at an affordable price. Dies need to be purchased separately. The following features should be noted:

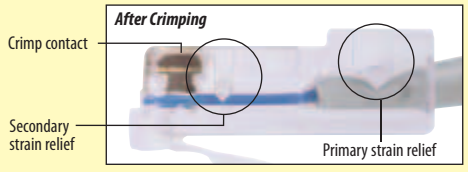
- Full cycle ratchet action assures consistent terminations.
- A release lever is provided to prevent faulty crimps.
- The compound action produces high crimping forces with minimal user effort.
- A replaceable cutter and stripper are conveniently placed offering two strip lengths per industry standards.
- All dies are interchangeable and guarantee perfect alignment.
- The modular plug nests accept most configurations available within the industry today.
- Spring activated handles have cushion grips to minimize user fatigue.
- Tools are conservatively rated for 50,000 crimps.

HTS7100	Crimp Tool Only, accepts any HTS7100 Die Set	69.50	66.72	63.94	61.16	CALL
HTS7100-04	4 Position Die Set with Primary & Secondary Strain Relief for RJ22 Handset Plugs	29.50	28.32	27.14	25.96	CALL
Note: This die is equipped with a secondary strain relief. For use with Stewart and generic plugs only. May damage other vendor's plugs.						
HTS7100-06A	6 Position Die Set without Secondary Strain Relief, for all RJ11 & RJ12 Plugs	29.50	28.32	27.14	25.96	CALL
HTS7100-08A	8 Position Die Set without Secondary Strain Relief, for all RJ45 Plugs	29.50	28.32	27.14	25.96	CALL
HTS7100-10	10 Position Die Set without Secondary Strain Relief	33.50	32.16	30.82	29.48	CALL

Tip What is a primary and secondary strain relief?

The three main points of contact within any plug are the crimp contact, primary strain relief and secondary strain relief. Compatibility issues exist between various plug and tool designs with respect to the secondary strain relief. If the plug and tool are slightly misaligned due to incompatibility, bad crimps end up crushing the plug. The plugs and tools listed have been carefully chosen to minimize compatibility problems.





UTP/STP Cable Stripper for Round or Flat Cable

This handy cable stripping tool is a great addition to any cable installer's tool belt. Featuring an adjustable blade for all sizes of UTP, STP, and flat silver satin cabling, this tool allows users to consistently remove the cable jacket without damaging the internal conductors. The cable stripper also features a built in cable cutter.

HTS501	Modular Cable Stripper for UTP/STP Round or Flat Cable	12.95	12.43	11.91	11.40	10.88

Heavy Duty Two-in-One Tool - Strip and Crimp RJ11/12 and RJ45 Modular Cables

Finally a quality tool at a reasonable price. This two-in-one tool features a straight-line-parallel operation of the die set for precision crimping each and every time. Tool has two sets of dies to accept a 2, 4 or 6 position RJ11/12 and more important the RJ45 (8x8), either keyed or non-keyed. Equipped with a built-in wire stripper. All steel construction with plastic handle grips for overall comfort.

HT1500	Two-In-One Modular Crimp Tool	49.95	44.96	39.96	34.96	CALL

Medium Service Hand Tools - Cut, Strip and Crimp Modular Plugs to Flat Cable

Durable modular crimp tools with carbon steel dies and all steel construction to withstand frequent use. Three tool types satisfy the requirements of crimping 4x4 handset, RJ11, RJ12, and RJ45 modular plugs. The HT210A accepts RJ45 plugs either with or without key.

HT210A	Modular Crimp Tool Kit for RJ45 Plugs	28.95	26.05	23.16	20.26	CALL
HT2096	Modular Crimp Tool for RJ11 and RJ12 Plugs	24.95	22.45	19.96	17.46	CALL
HT2094C	Modular Crimp Tool for 4x4 Handset Plugs	22.95	20.66	18.36	16.06	CALL

Heavy Duty Ratcheting Crimp Tools for TDS8PC5 Shielded Plugs

These crimp tools are specifically designed for L-com's TDS8PC5 heavy duty shielded plugs. Features include, fully ratcheting crimp action, hardened dies and adjustability. The HTS2500 crimps the contact and strain relief in one step. The HTS2600 features separate crimp and strain relief capability in two steps.

HTS2500	Crimp Tool for Shielded Plugs with Strain Relief, One Step	69.50	66.72	63.94	61.16	CALL
HTS2600	Crimp Tool for Shielded Plugs with Strain Relief, Two Step	79.50	76.32	73.14	69.96	CALL

10P10C (RJ50) Crimp Tool with Cut and Strip Function

The HTS9000 not only crimps 10P10C style connectors but it also cuts and strips your cable for complete cable preparation! This rugged tool is constructed of carbon steel and features a cushioned grip handle. This crimp tool can be used with L-com's TDR10P10C and TDR10P10CS, 10 position RJ50 plugs.

HTS9000	Crimp Tool for 10P10C RJ50 Plugs	49.95	48.95	47.95	46.95	45.95

Cable Prep Tools - Fast, Easy Stripping of UTP or Data Cable Jacket Covers

These are the simplest tools we've ever seen for removing the jacket from round, unshielded or shielded twisted pair cable. The TCPT2 tool is intended for removing the jacket on UTP cable only. The second tool, the TCPT110, also incorporates a 110 blade for punching 110 blocks. Just insert the cable into the tool, twist/turn a couple of times and pull off the jacket slug. Simple and yet inexpensive enough to have a few on hand.

TCPT2	UTP Round Cable Jacket Stripper	5.99	5.51	5.03	4.55	CALL
TCPT110	UTP Round Cable Jacket Stripper with 110 Punch	6.99	6.43	5.87	5.31	CALL

Heavy Duty Modular Crimp Tool Kit Includes RJ45 and RJ11/12 Plugs

This tool kit includes 1 HT1500 crimping tool for RJ45 and RJ11/12 plugs, 20 RJ11/12 plugs for flat cable, 20 RJ11/12 plugs for round cable, 20 RJ45 plugs for flat cable, 20 RJ45 plugs for round cable and a four compartment case.

TCK68MOD	RJ45 and RJ12 Crimp Tool Kit with Plugs	59.95	58.75	57.55	56.35	55.15

L-com Global Connectivity

Connect with L-com Global Connectivity

Item #	Description	1-9	10-24	25-99	100-249	250-499

Protective Covers for Plugs and Jacks - Protect Unused Ports and Cables from Contact Damage

These covers are perfect for protecting unused ports in wall plates and expensive equipment from physical damage, dirt and grime. Made from flexible PVC, these covers attach easily and stay in place with a snug friction fit.

MP45P	RJ45 Protective Covers for Plugs, Pkg/100	14.95	14.65	14.35	14.05	13.75
MP45J	RJ45 Protective Covers for Jacks, Pkg/100	15.95	15.63	15.31	14.99	14.67

DSL Line Conditioners - Filters Noise for Better Performance

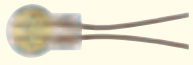
These are two types of DSL Line Conditioners for filtering out unwanted noise. The devices use 2 pole low pass filters. Inline plug/jack or wall plate configurations. Color: Ivory. Specifications: REN 0.2B; DC Resistance Through T&R to Phone: 10 Ohms; Loading Capacity: 47nF; Attenuation Distortion ± 1 dB max.; 3 dB Cutoff Point.

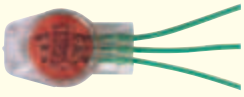
S900LC50-I	Inline DSL Conditioner, RJ12 (6x6) Male / Female	6.95	6.67	6.39	6.12	5.84
S630LCC-I	Wall Mount DSL Conditioner, RJ12 (6x6) Jack	7.95	7.63	7.31	7.00	6.68

Wire Tap and Butt Splice - Gel Filled IDC Connectors

These handy IDC connectors make wire splicing a snap. Gel filled IDC contact area provides a moisture resistant barrier for reliable connections. Usable with 19-26 AWG copper wire with a .066" (0.2cm) maximum insulation diameter (.060 max. for WT-UY). Sold in 100 piece packs.

WT-UY	UY Butt Splice 2 Wire Connector, Gel Filled, Pkg/100	11.99	11.51	11.03	10.55	10.07
WT-UR	UR Butt Splice, 3 Wire Connector, Gel Filled, Pkg/100	12.95	12.43	11.91	11.40	10.88
WT-UB	UB Butt Tap Connector, Gel Filled, Pkg/100	12.95	12.43	11.91	11.40	10.88


WT-UY
2 Wire Butt Splice


WT-UR
3 Wire Butt Splice


WT-UB
Butt Tap Connector

110 Wiring Block Field Termination Kits - Everything Necessary to Wire a 110 Block

Each kit contains one 100 pair wiring block with detachable legs, label holders with designation labels and sufficient connecting blocks. Note: Each kit includes enough connecting blocks to complete each 25 pair termination strip on the 110 wiring block. (ex. The S110K-4PR kit would include five four pair and one five pair connecting block per 25 pair termination strip).

Wiring blocks are the main instrument in setting up horizontal wiring in a 110 style connector system. These are surface mountable molded plastic units that secure and organize cable pairs. Designation strips are mounted to the wiring block addressing each cable termination. 4 or 5 pair connecting blocks snap over the wire terminations on the wiring block. These contain insulation displacement quick connect clips and provide a gas tight connection between the cable conductor and cross connect system.

S110K-4PR	100 Pair Wiring Block Kit with 4 Pair Connecting Blocks	41.95	41.11	40.27	39.43	38.59
S110K-5PR	100 Pair Wiring Block Kit with 5 Pair Connecting Blocks	44.95	44.05	43.15	42.25	41.35

50 Pair 66 Style Category 5 Block

This 66 style 50 pair block has been designed to meet Category 5 requirements as specified by the EIA/TIA. Ease of use and low cost has made this style of block one of the most popular termination methods. Improved design now permits use in data applications up to 100 Mbps. Included are 100 quick connect bridging clips and a clear protective cover. 66 type tool required for termination.

S66M1-50-C5	50 Pair 66 Style Block, Category 5 Rated	16.95	16.61	16.27	15.93	15.59
C1127-A1-100	Bridging Clips for 66 Style Blocks, Pkg/100	10.99	10.55	10.11	9.67	CALL

Multi-Pair Termination Tool for 110 Blocks

This professional grade tool is designed to terminate and cut up to 5 pairs of UTP wires once they are laid into the 110 connector. Blade is reversible with one side crimping and cutting excess wire and the other side just crimping. Impact mechanism makes reliable terminations every time.

S110MPIC	Multi Pair Impact Tool for 110 Blocks	149.95	143.95	137.95	131.96	CALL

Professional Grade Cable Splicer Knife, Scissor and Kit

These tools are a great addition to any cable technicians tool kit. The CS925 is an industrial grade serrated scissor capable of cutting thin wires and cable jacketing. This tool also has wire stripping notches on one blade as well as a scraper and file on the back of the other. The CK6 is a forged steel splicer knife with red cushioned handle. It comes in handy whenever a sharp blade is necessary. The CS925KIT offers both tools plus a heavy duty leather holder that will keep the knife and scissor secured to a tool belt.

CS925	Cable Splicer Serrated Scissor	16.50	15.84	15.18	14.52	CALL
CK6	Cable Splicer Knife	10.90	10.46	10.03	9.59	CALL
CS925KIT	Knife and Scissor with Holder	33.50	32.16	30.82	29.48	CALL

Parallel Action Pliers - Use for Compressing IDC Body to Jack

These parallel action pliers are great for crimping wire taps and butt splices. The jaws of the tool work close in parallel providing a better crimp than regular pliers.

HT1008	Parallel Action Pliers	59.95	58.75	57.55	56.35	55.15

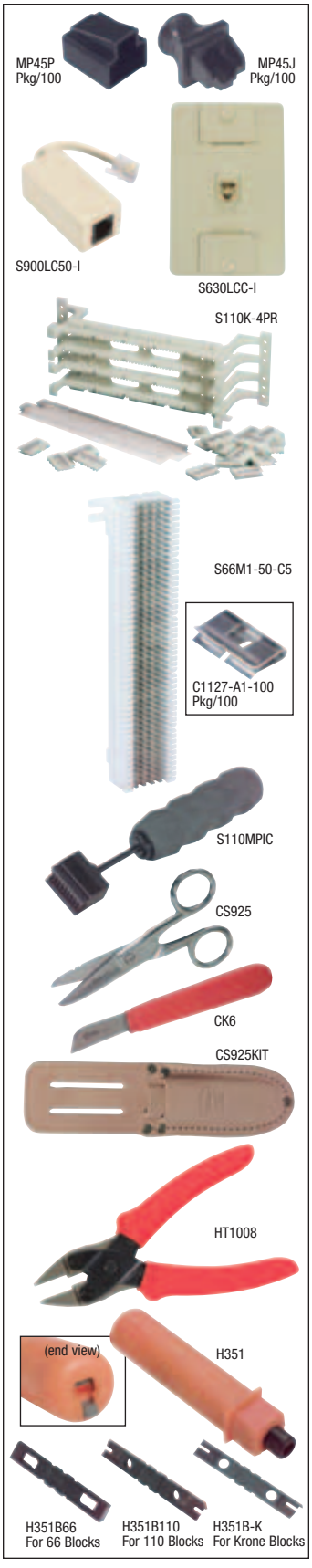
Premium Auto Impact Tool - Our Best Model, Features an Adjustable Spring Load

Now installers can make effortless, uniform connections with L-com's premium auto impact tool. Set tool for high or low impact with a variable impact pressure control that will provide the right amount of force. Blades are easily reversible, one end terminates only while the other terminates and cuts. This model features a hidden storage compartment which opens to fit an extra blade. Accepts blades for 66, 110 and Krone use. This tool comes without blades, order separately.

H351	Premium Impact Tool Body Only, Without Blade	38.50	36.96	35.42	33.88	32.34

Reversible Blades - Fit H351 Series Tool

H351B66	Impact Blade, Reversible for 66 Terminals	9.95	9.55	9.15	8.76	8.36
H351B110	Impact Blade, Reversible for 110 Terminals	9.95	9.55	9.15	8.76	8.36
H351B-K	Impact Blade, Reversible for Krone Terminals	9.95	9.55	9.15	8.76	8.36
	Note: Mixing of blades is allowed for quantity pricing					



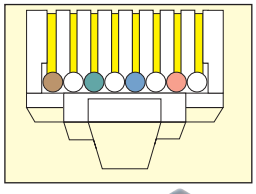
Customer Testimonials
Read why others choose L-com.
L-com.com/Testimonials

L-com Global Connectivity

FCC

- FCC compliant. Part 68; Doc. 47, Sub F.
- UL component recognized, File E132408(N)-DUXR2.
- Certified Canadian Standards Assn., File 67725.

Standard Alignment



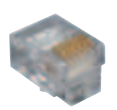
A 4x4 Handset



B 6x4 RJ11



C 6x6 RJ12



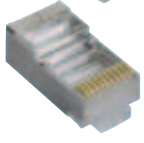
D 6x6 MMJ



E 8x8 RJ45

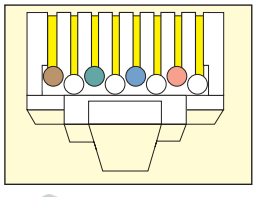


TD6P6CSR



TDR10P10CS-L

Staggered Alignment





TSP4288C6



TSP4088C5



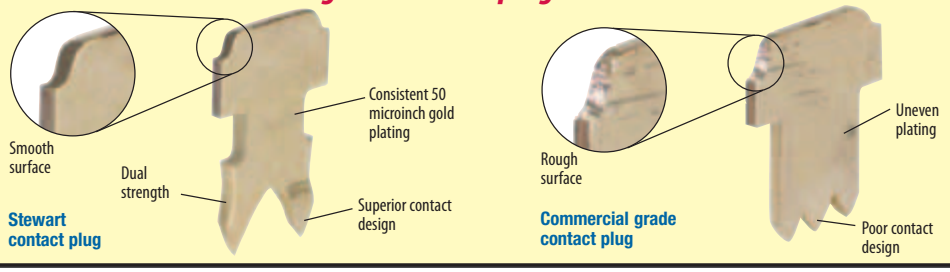
TSP4088C5S

Item #	Description	Code	1-9	10-24	25-99	100-249	250-499

The Ultimate in Modular Telco Plugs, Made in the USA, Comply with Industry Standards

L-com offers Stewart modular plugs featuring mirror smooth contact surfaces for extended mating life. Lowest contact resistance and high reliability. Pre-inserted selectively gold plated contacts are ready for mass termination on most industry compatible crimping machines and hand tools. Fully complies with FCC & telephone industry standards for size and performance. Choice of plugs for flat modular or round UTP cable. Plugs accept 24-28AWG stranded or solid conductors. Sold only in packages of 100 plugs.

Tip ***What is the difference between a Stewart contact plug and a commercial grade contact plug?***



Modular Plugs for Flat Cable - With Standard Rectangular Cable Entrance

TSP3044	Modular Plugs, Handset (4x4), Pkg/100	A	29.95	27.55	25.16	22.76	CALL
TSP3046	Modular Plugs, RJ11 (6x4), Pkg/100	B	29.95	27.55	25.16	22.76	CALL
TSP3066	Modular Plugs, RJ12 (6x6), Pkg/100	C	34.95	32.15	29.36	26.56	CALL
TSP3088	Modular Plugs, RJ45 (8x8), Pkg/100	E	49.95	45.95	41.96	37.96	CALL

Modular Plugs for Round Twisted Pair Cable - With Radiused Cable Entrance

TSP3046R	Modular Plugs, RJ11 (6x4), Pkg/100	B	29.95	27.55	25.16	22.76	CALL
TSP3066R	Modular Plugs, RJ12 (6x6), Pkg/100	C	34.95	32.15	29.36	26.56	CALL
TSP3066R-MMJ	Modular Plugs, MMJ (6x6), Pkg/100	D	39.95	38.35	36.75	35.16	CALL
TSP3088R	Modular Plugs, RJ45 (8x8), Pkg/100	E	49.95	45.95	41.96	37.96	CALL

SPECIFICATIONS:

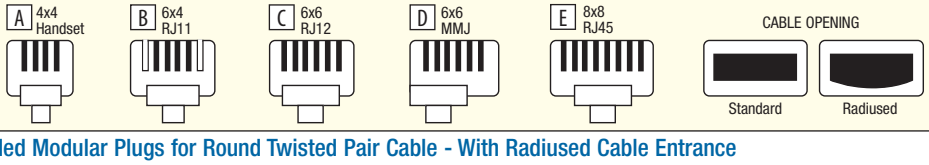
Material: Insulator - Polycarbonate rated UL 94V-0
Contacts - Phosphor Bronze

Plating: 50 microinch gold to MIL-G-45204, Type II, Grade C min. on contact area over 100 microinch min
Nickel underplate to QQ-N-290, Class 2, Grade C, gold flash on balance.

Electrical: Voltage Rating - 150 VAC max.
Current Rating - 1.5 Amps max.
Contact resistance - 15 milliohms min.
Insulation resistance - 500 Mohm min @ 1000 VAC between adjacent contacts (75°F and 50% R.H.)
Dielectric withstanding voltage - 1000 VAC min rms (sea level).

Mechanical: Terminates to 24, 26 and 28 AWG
Accepts Stranded or Solid conductors.
Mating durability - 1,000 cycles min.

Environmental: Operating temperature - -40°C to +85°C.



Shielded Modular Plugs for Round Twisted Pair Cable - With Radiused Cable Entrance

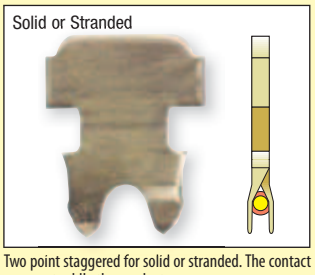
TD6P6CSR	Modular Plugs, RJ12 (6x6), Pkg/50	29.95	29.35	28.15	26.36	22.46
TDR10P10CS-L	Modular Plugs, RJ50 (10x10), Pkg/100	69.95	67.15	64.35	61.56	58.76

High Performance Category 5/5e and Category 6 Staggered Alignment Plugs

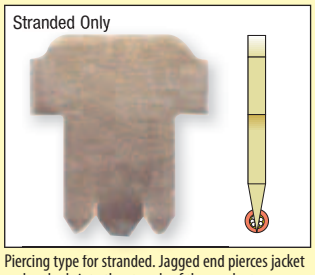
Stewart's staggered-pin Category 5/5e and Category 6 rated RJ45 crimp plugs are designed for today's high performance networks. A superior two-prong contact design works for both solid and stranded conductors. The multi-level contact design helps improve performance. The shielded version protects against EMI/RFI interference and maintains proper ground connection. Sold in packages of 50 plugs.

TSP4288C6	Modular Plugs, RJ45(8x8) Category 6, Pkg/50	49.95	45.95	41.96	37.96	CALL
TSP4088C5	Modular Plugs, RJ45(8x8) Category 5/5e, Pkg/50	29.95	27.55	25.16	22.76	CALL
TSP4088C5S	Modular Plugs, RJ45(8x8) Category 5/5e Shielded, Pkg/50	49.95	45.95	41.96	37.96	CALL

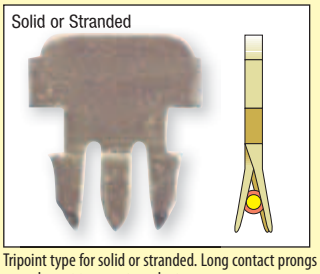
Tip ***What is the difference between stranded and solid contact design?***



Two point staggered for solid or stranded. The contact prongs straddle the conductor.



Piercing type for stranded. Jagged end pierces jacket and embeds into the strands of the conductor.



Tripoint type for solid or stranded. Long contact prongs spread apart to accept conductor.

L-com Global Connectivity

Connector reference chart
A handy listing of popular connectors.
L-com.com/ConnectorChart

Item #	Description	1-9	10-24	25-99	100-249	250-499

Stranded Conductor Modular Plugs - Rectangular Entry for Flat Cable

A full complement of modular plugs is offered for all applications. Piercing-type connections are simultaneously made through each stranded conductor of 24-28 AWG flat modular cable. 15 microinches gold plating on contacts. Sold in packages of 100 plugs.

TD4P4HS	Modular Plugs, Handset (4x4), Pkg/100	19.95	18.35	16.76	15.16	13.57
TD6P4C	Modular Plugs, RJ11 (6x4), Pkg/100	19.95	18.35	16.76	15.16	13.57
TD6P6C	Modular Plugs, RJ12 (6x6), Pkg/100	24.95	22.95	20.96	18.96	16.97
TD6P6MMJ	Modular Plugs, MMJ (6x6), Pkg/100	29.95	27.55	25.16	22.76	CALL
TD8P8C	Modular Plugs, RJ45 (8x8), Pkg/100	39.95	36.75	33.56	30.36	27.17
TD8P8CK	Modular Plugs, RJ45 (8x8) (Keyed), Pkg/100	39.95	36.75	33.56	30.36	27.17

Stranded Conductor Modular Plugs - Radiused Entry for Round or Flat Cable

These modular plugs have a radiused rear entry compatible with most round and flat cables. 50 microinches gold plating on contacts. Compatible with 24-28 AWG stranded conductors.

TDR6P4C	Modular Plugs, RJ11 (6x4), Pkg/100	19.95	18.35	16.76	15.16	CALL
TDR6P6C	Modular Plugs, RJ12 (6x6), Pkg/100	24.95	22.95	20.96	18.96	CALL
TDR8P8C	Modular Plugs, RJ45 (8x8), Pkg/100	39.95	36.75	33.56	30.36	CALL
TDR10P10C	Modular Plugs, RJ45 (10x10), Pkg/100	49.95	45.95	41.96	37.96	CALL

Shielded Long Body RJ45 Generic Plug

This plug will accept round or flat cable with solid or stranded wires. Prices shown are per piece. Compatible with generic 8x8 crimp tools such as L-com part numbers: HT210A, HT1500, HTS7100 + HTS7100-08A die set and HTS2100 + HTS2100-08 die set.

T8P8CSR	Shielded Modular Plug, RJ45 (8x8), Single	0.95	0.87	0.80	0.72	0.65

Shielded Category 5e and Category 6 RJ45 Plugs for Solid or Stranded Cables

A superior high performance shielded plug system that allows users to perform factory grade terminations in the field is now available. A unique metallic strain relief provides superior cable retention and a reliable 360 degree shielding contact. The short body design combined with a loading bar allows easy insertion while maintaining Category 5e or Category 6 twist requirements. Superior two-point contact design is compatible with solid and stranded cable. Improve your shielded cable performance by designing in L-com's shielded plugs.

TDS8PC5	Category 5e Shielded Modular Plug, RJ45 (8x8), - Pkg/50	59.95	57.55	55.15	52.76	50.36
TDS8PC6	Category 6 Shielded Modular Plug, RJ45 (8x8), - Pkg/50	64.95	62.35	59.75	57.16	54.56
TDS8CVR-GR	8x8 Shielded Covers, Gray - Pkg/50	12.50	11.50	10.50	9.50	CALL
TDS8CVR-BK	8x8 Shielded Covers, Black - Pkg/50	12.50	11.50	10.50	9.50	CALL
TDS8CVR-BL	8x8 Shielded Covers, Blue - Pkg/50	12.50	11.50	10.50	9.50	CALL
TDS8CVR-GN	8x8 Shielded Covers, Green - Pkg/50	12.50	11.50	10.50	9.50	CALL
TDS8CVR-IV	8x8 Shielded Covers, Ivory - Pkg/50	12.50	11.50	10.50	9.50	CALL
TDS8CVR-RD	8x8 Shielded Covers, Red - Pkg/50	12.50	11.50	10.50	9.50	CALL
TDS8CVR-WH	8x8 Shielded Covers, White - Pkg/50	12.50	11.50	10.50	9.50	CALL
TDS8CVR-YL	8x8 Shielded Covers, Yellow - Pkg/50	12.50	11.50	10.50	9.50	CALL
HTS2500	Crimp Tool for Shielded Plugs with Strain Relief, One Step	69.50	66.72	63.94	61.16	CALL
HTS2600	Crimp Tool for Shielded Plugs with Strain Relief, Two Step	79.50	76.32	73.14	69.96	CALL

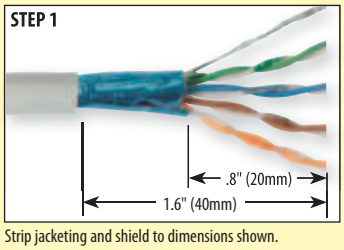
High Performance Shielded Category 5E Plugs for Solid or Stranded Cables with Large OD Conductors

These high performance C5E plugs are specially designed to handle cables with large conductor diameters. The plugs will accept conductor diameters up to .048". Plugs are fully shielded, will work with flat, oval or round cable and have external strain relief. They are recommended for use with L-com's industrial cable TFDL5089.

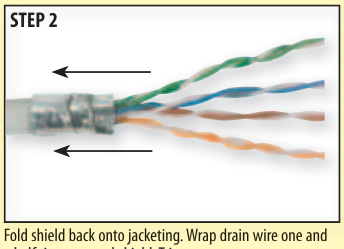
TSP8048C5S	Category 5e Shielded Modular Plug, RJ45 (8x8), for Large Conductor OD	5.45	5.34	5.23	5.12	5.01
TSP8048C5S-10PK	Category 5e Shielded Modular Plug, RJ45 (8x8), for Large Conductor OD, Pkg/10	51.95	50.91	49.87	48.83	47.79
HT1500	Two-In-One Modular Crimp Tool	49.95	44.96	39.96	34.96	CALL

How to assemble a TDS8PC5 and TDS8PC6 series shielded Category 5e and Category 6 modular plug

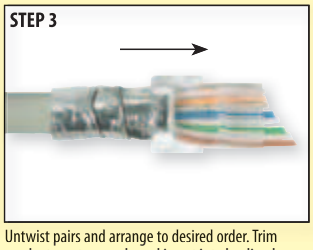
Online Video
L-com.com/Videos/A22



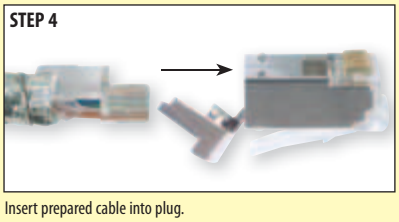
Strip jacketing and shield to dimensions shown.



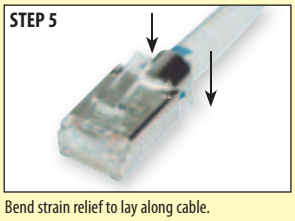
Fold shield back onto jacketing. Wrap drain wire one and a half times around shield. Trim excess.



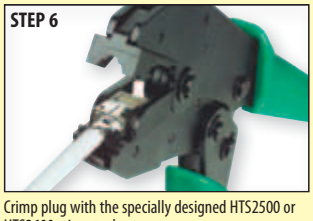
Untwist pairs and arrange to desired order. Trim conductors at an angle and insert into loading bar. Trim excess wires.



Insert prepared cable into plug.

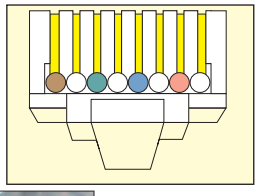


Bend strain relief to lay along cable.



Crimp plug with the specially designed HTS2500 or HTS2600 crimp tool.

Standard Alignment




Rectangular Entry


TD4P4HS


TD6P4C


TD6P6C


TD6P6MMJ


TD8P8C

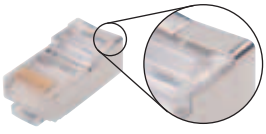

Radiused Entry


TDR6P4C


TDR6P6C


TDR8P8C


TDR10P10C


T8P8CSR

Close up of shielding

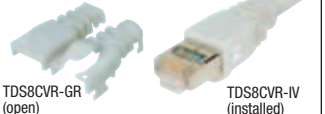
Best Seller


TDS8PC5 Pkg/50

TDS8PC6 Pkg/50

New


TSP8048C5S


TDS8CVR-GR (open) Pkg/50

TDS8CVR-IV (installed)


TDS8CVR-BK Pkg/50


TDS8CVR-BL Pkg/50


TDS8CVR-WH Pkg/50


TDS8CVR-YL Pkg/50


TDS8CVR-RD Pkg/50


TDS8CVR-GN Pkg/50


HTS2600


HT1500



How to terminate a TDS8PC modular plug
See the free video tip and more at L-com.com/Videos/A22

L-com Global Connectivity

Exclusive



ECF504-C3 ECF504-SC3

Best Seller



ECF504-C5 ECF504-SC5E



ECF504-C6 ECF504-SC6

New New



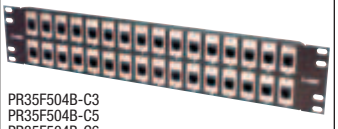
ECF504-C6A ECF504-SC6A



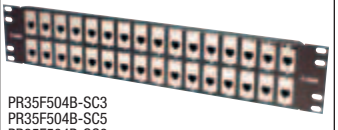
PR175F504B-C3
PR175F504B-C5
PR175F504B-C6



PR175F504B-SC3
PR175F504B-SC5
PR175F504B-SC6



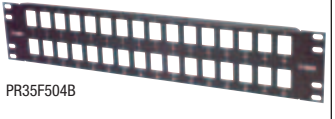
PR35F504B-C3
PR35F504B-C5
PR35F504B-C6



PR35F504B-SC3
PR35F504B-SC5
PR35F504B-SC6



PR175F504B



PR35F504B

Item #	Description	1-9	10-24	25-99	100-249	250-499

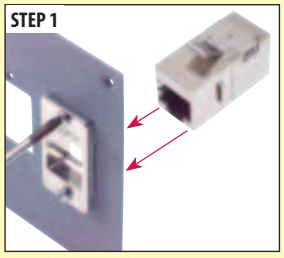
Premium Panel Mounted Modular Coupler Kits - Category 3, 5e and 6 - Shielded and Unshielded

These unique coupler kits allow panel mounting in virtually any panel thickness. A solid die-cast metal mounting frame provides secure mounting and reliable grounding. Kits include a snap-in coupler, mounting frame and two 4-40 machine screws.

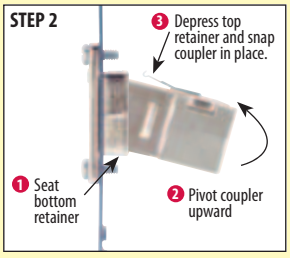
ECF504-C3	Category 3 Unshielded RJ45 (8x8) Deluxe Panel Coupler Kit	4.45	4.09	3.74	3.38	3.03
ECF504-SC3	Category 3 Shielded RJ45 (8x8) Deluxe Panel Coupler Kit	6.95	6.39	5.84	5.28	4.73
ECF504-C5	Category 5e Unshielded RJ45 (8x8) Deluxe Panel Coupler Kit	6.95	6.39	5.84	5.28	4.73
ECF504-SC5E	Category 5e Shielded RJ45 (8x8) Deluxe Panel Coupler Kit	8.95	8.23	7.52	6.80	6.09
ECF504-C6	Category 6 Unshielded RJ45 (8x8) Deluxe Panel Coupler Kit	7.95	7.31	6.68	6.04	5.41
ECF504-SC6	Category 6 Shielded RJ45 (8x8) Deluxe Panel Coupler Kit	9.95	9.15	8.36	7.56	6.77
ECF504-C6A	Category 6A Unshielded RJ45 (8x8) Deluxe Panel Coupler Kit	12.95	11.91	10.88	9.84	8.81
ECF504-SC6A	Category 6A Shielded RJ45 (8x8) Deluxe Panel Coupler Kit	14.95	13.75	12.56	11.36	10.17

Easily install a premium ECF coupler kit

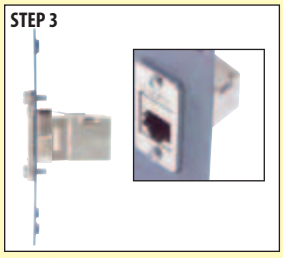
Online Video
L-com.com/Videos/A09



Secure frame in specified opening with supplied hardware and align coupler in proper orientation to the opening.



Seat bottom retainer and pivot coupler upward while depressing upper retainer.



Coupler fully seated.

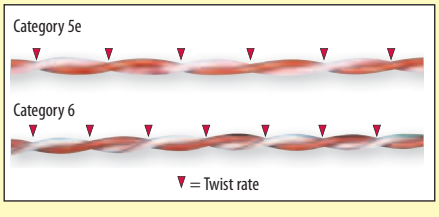
Telecom and Network Grade Patch Panels

These 19" (48.3cm) panels feature L-com's exclusive ECF series flange mounted feed-thru couplers. These couplers are available in Category 3, Category 5e or Category 6 in either shielded or non-shielded styles. The ECF series couplers are unique in that they use 2 4-40 screws to firmly attach the connector flange to the rack panel. The panels have a powder coat black finish for durability and each port is numbered to simplify cable organization and tracking. Both 16 and 32 port versions are available.

PR175F504B-C3	1.75" (4.4cm) Panel with 16 Category 3 Couplers	129.95	124.75	119.55	114.36	109.16
PR175F504B-SC3	1.75" (4.4cm) Panel with 16 Category 3 Shielded Couplers	159.95	153.55	147.15	140.76	134.36
PR35F504B-C3	1.75" (8.9cm) Panel with 32 Category 3 Couplers	229.95	220.75	211.55	202.36	193.16
PR35F504B-SC3	1.75" (8.9cm) Panel with 32 Category 3 Shielded Couplers	299.95	287.95	275.95	263.96	251.96
PR175F504B-C5	1.75" (4.4cm) Panel with 16 Category 5e Couplers	169.95	163.15	156.35	149.56	142.76
PR175F504B-SC5	1.75" (4.4cm) Panel with 16 Category 5e Shielded Couplers	229.95	220.75	211.55	202.36	193.16
PR35F504B-C5	1.75" (8.9cm) Panel with 32 Category 5e Couplers	319.95	307.15	294.35	281.56	268.76
PR35F504B-SC5	1.75" (8.9cm) Panel with 32 Category 5e Shielded Couplers	399.95	383.95	367.95	351.96	335.96
PR175F504B-C6	1.75" (4.4cm) Panel with 16 Category 6 Couplers	199.95	191.95	183.95	175.96	167.96
PR175F504B-SC6	1.75" (4.4cm) Panel with 16 Category 6 Shielded Couplers	249.95	239.95	229.95	219.96	209.96
PR35F504B-C6	1.75" (8.9cm) Panel with 32 Category 6 Couplers	349.95	335.95	321.95	307.96	293.96
PR35F504B-SC6	1.75" (8.9cm) Panel with 32 Category 6 Shielded Couplers	429.95	412.75	395.55	378.36	361.16
PR175F504B	1.75" (4.4cm) Panel, 16 ECF Style Cutouts, Black	39.95	39.15	38.35	37.55	36.75
PR35F504B	1.75" (8.9cm) Panel, 32 ECF Style Cutouts, Black	39.95	39.15	38.35	37.55	36.75

Tip *What is the difference between Category 5e & Category 6 100 Ohm UTP?*

The Category 6 standard adopted in mid 2002 extended key parameters over Category 5e specifications. The additional headroom is intended to provide quality transmission at higher data rates required by emerging applications. As the chart indicates, the most prominent difference is the frequency at which the key parameters are measured. The jump from 100 to 250 MHz places a great deal of emphasis on component quality as well as installation techniques. This improvement is commonly noticed by the increased pair twisting and staggering of twisted pairs.



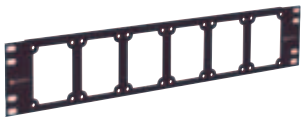
	Category 5e	Category 6
Frequency	100 MHz	250 MHz
Attenuation	22db	19.8db/100M @ 100 MHz 32.8db/100M @ 250 MHz
Return Loss	19db	19db @ 100 MHz 15.6db @ 250 MHz
Delay Skew	45ns	45ns
Near End Crosstalk (NEXT)	35.3db	44.3db @ 100 MHz 38.3db @ 250 MHz
Power Sum Near End Crosstalk (PS-NEXT)	32.3db	42.3db @ 100 MHz 36.3db @ 250 MHz
Equal Level Far End Crosstalk (ELFEXT)	23.8db	27.8db @ 100 MHz 19.8db @ 250 MHz
Power Sum Equal Level Far End Crosstalk (PS-ELFEXT)	20.8db	24.8db @ 100 MHz 16.8db @ 250 MHz

L-com Global Connectivity

Informative e-mail newsletters
Our newsletters are packed with tips, tutorials, product info and downloads! L-com.com/Newsletter

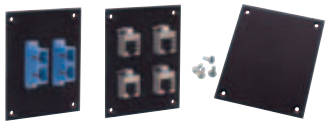
Tip Build Custom Configurations with L-com's Universal Rack Panel System

STEP 1



Start with the Master Rack Panel, UPR35-6B.

STEP 2



Now select a ready made sub-panel that works with your rack panel. See pages 226-230 for more variations.

STEP 3



Using a Phillips or Flat screwdriver, install your sub-panels in the master rack panel.

Item #	Description	Color	1-9	10-24	25-99	100-249	250-499

Universal Master Rack Panel with 6 Openings

L-com's Universal Series offers installers the ability to customize their installation with different connections within a single rack panel. The Universal Series panels can save time, money and rack space in an installation project. The master panels feature six punched rectangular openings that will accept any of the numerous sub-panels shown in this catalog. Sub-panel openings are 2.20" (5.6cm) x 2.75" (7.0cm).

UPR35-6B	Master Rack Panel	Black	24.95	23.95	22.95	21.96	20.96
UPR-S-KIT	Master Rack Panel with 6 Black Steel Blanks	Black	46.50	44.64	42.78	40.92	39.06
UPR-A-KIT	Master Rack Panel with 6 Black Aluminum Blanks	Black	46.50	44.64	42.78	40.92	39.06

Universal Series Blank Sub-Panels

Universal Series blank sub-panels can be used to cover unused openings or may be used to customize a panel assembly. These panels come in 3 different styles for users to choose from: black anodized aluminum, white high impact plastic, or black steel. The aluminum and plastic panels offer the easiest option for custom drilling or punching holes. The black steel panels are constructed of sturdy cold rolled steel for durability. Each sub-panel is equipped with four pre-tapped holes to accept the four 6-32 mounting screws which are supplied.

USPB	Universal Steel Blank Sub-Panel	Black	3.95	3.79	3.63	3.48	3.32
USP-A	Universal Aluminum Blank Sub-Panel	Black	3.95	3.79	3.63	3.48	3.32
USP-P	Universal Plastic Blank Sub-Panel	White	3.85	3.70	3.54	3.39	3.23

Universal Series Sub-Panels Featuring Telecom/Network Grade Connections

The Universal sub-panel series offers connections for telecom and network equipment. Choose between Category 3, Category 5e or Category 6 rated connections either shielded or non-shielded. Panel choices offer both feed-thru style couplers and jacks with 110 style punch terminations. Either 2 or 4 connections per panel can be chosen and blank panels are available for further customization. All panels are black steel and come equipped with four pre-tapped holes to accept the four 6-32 mounting screws which are supplied.

USP2ECF4SB	Sub-Panel with 2 ECF Style RJ11 (6x4) Couplers, Straight Wired	13.98	13.42	12.86	12.30	11.74
USP2ECF6SB	Sub-Panel with 2 ECF Style RJ12 (6x6) Couplers, Straight Wired	14.38	13.80	13.23	12.65	12.08
USP2ECF8SKB	Sub-Panel with 2 ECF Style RJ45K (8x8) Keyed Couplers, Straight Wired	15.98	15.34	14.70	14.06	13.42
USP2ECFB4SB	Sub-Panel with 2 ECF Style RJ11 (6x4) Couplers, Straight Wired	17.45	16.75	16.05	15.36	14.66
USP2ECFB6SB	Sub-Panel with 2 ECF Style RJ12 (6x6) Couplers, Straight Wired	17.85	17.14	16.42	15.71	14.99
USP2ECFB8SKB	Sub-Panel with 2 ECF Style RJ45K (8x8) Keyed Couplers, Straight Wired	19.85	19.06	18.26	17.47	16.67
USP2ECF-C3B	Sub-Panel with 2 Category 3 RJ45 (8x8) Couplers	21.35	19.64	17.93	16.23	14.52
USP2ECF-SC3B	Sub-Panel with 2 Category 3 RJ45 (8x8) Couplers, Shielded	25.85	23.78	21.71	19.65	17.58
USP2MC5B	Sub-Panel with 2 Category 5e RJ45 (8x8) Couplers	15.98	15.34	14.70	14.06	13.42
USP4MC5B	Sub-Panel with 4 Category 5e RJ45 (8x8) Couplers	25.98	24.94	23.90	22.86	21.82
USP2SMC5B	Sub-Panel with 2 Category 5e RJ45 (8x8) Couplers, Shielded	19.98	19.18	18.38	17.58	16.78
USP4SMC5B	Sub-Panel with 4 Category 5e RJ45 (8x8) Couplers, Shielded	33.98	32.62	31.26	29.90	28.54
USP2MC6B	Sub-Panel with 2 Category 6 RJ45 (8x8) Couplers	17.98	17.26	16.54	15.82	15.10
USP4MC6B	Sub-Panel with 4 Category 6 RJ45 (8x8) Couplers	29.98	28.78	27.58	26.38	25.18
USP2SMC6B	Sub-Panel with 2 Category 6 RJ45 (8x8) Couplers, Shielded	21.98	21.10	20.22	19.34	18.46
USP4SMC6B	Sub-Panel with 4 Category 6 RJ45 (8x8) Couplers, Shielded	37.98	36.46	34.94	33.42	31.90
USP2ECF-C5EB	Sub-Panel with 2 ECF Kit Category 5e RJ45 (8x8) Couplers	26.85	24.70	22.55	20.41	18.26
USP2ECF-SC5EB	Sub-Panel with 2 ECF Kit Category 5e RJ45 (8x8) Couplers, Shielded	30.85	28.38	25.91	23.45	20.98
USP2ECF-C6B	Sub-Panel with 2 ECF Kit Category 6 RJ45 (8x8) Couplers	29.85	27.46	25.07	22.69	20.30
USP2ECF-SC6B	Sub-Panel with 2 ECF Kit Category 6 RJ45 (8x8) Couplers, Shielded	33.85	31.14	28.43	25.73	23.02
USP2KC-R5EB	Sub-Panel with 2 Category 5e Right Angle Keystone Couplers	28.85	26.54	24.23	21.93	19.62
USP2KCS-R5EB	Sub-Panel with 2 Category 5e Right Angle Keystone Couplers, Shielded	32.85	30.22	27.59	24.97	22.34
USP4KC-R5EB	Sub-Panel with 4 Category 5e Right Angle Keystone Couplers	50.75	46.69	42.63	38.57	34.51
USP4KCS-R5EB	Sub-Panel with 4 Category 5e Right Angle Keystone Couplers, Shielded	58.75	54.05	49.35	44.65	39.95
USP238B	Blank Sub-Panel with 2 Keystone Openings, Pre-Punched	5.95	5.71	5.47	5.24	5.00
USP231B	Blank Sub-Panel with 4 Keystone Openings, Pre-Punched	5.95	5.71	5.47	5.24	5.00
USP229B	Blank Sub-Panel with 2 ECF Style Openings, Pre-Punched	5.95	5.71	5.47	5.24	5.00

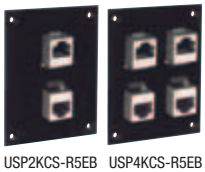
Universal Series Sub-Panel Mounted Cable D-Ring

A D-Ring style cable manager mounted to a sub-panel allows a convenient way to secure cables on the rack panel.

USP-CM134B	Sub-Panel Mounted Cable D-Ring	16.95	16.27	15.59	14.92	14.24



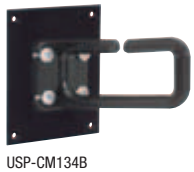
USP2KC-R5EB USP4KC-R5EB



USP2KCS-R5EB USP4KCS-R5EB

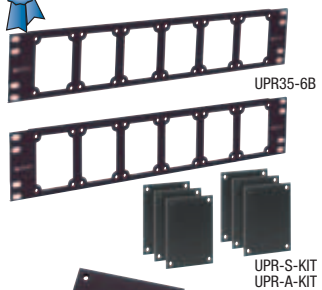


USP238B USP231B USP229B



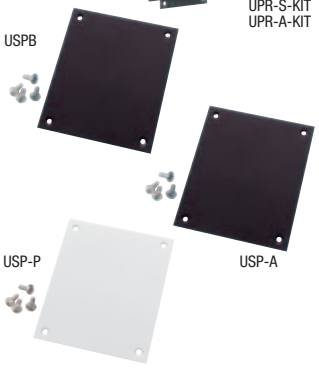
USP-CM134B

Best Seller



UPR35-6B

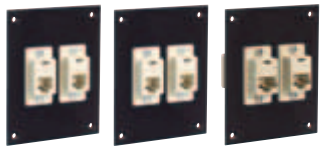
UPR-S-KIT
UPR-A-KIT



USPB

USP-P

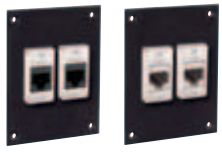
USP-A



USP2ECF4SB USP2ECF6SB USP2ECF8SKB



USP2ECFB4SB USP2ECFB6SB USP2ECFB8SKB



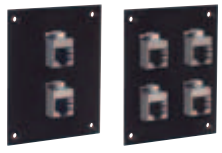
USP2ECF-C3B
USP2ECF-C5EB
USP2ECF-C6B

USP2ECF-SC3B
USP2ECF-SC5EB
USP2ECF-SC6B



USP2MC5B
USP2MC6B

USP4MC5B
USP4MC6B



USP2SMC5B
USP2SMC6B

USP4SMC5B
USP4SMC6B

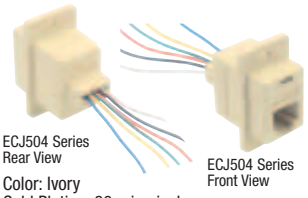


How to terminate a keystone style connector
See the free video tip and
more at L-com.com/Videos/A10

L-com Global Connectivity

ECF504 Series
Network Rating: Category 3
Color: Ivory
Gold Plating: 30 microinches
Flammability Rating: 94V-0





ECJ504 Series
Rear View

ECJ504 Series
Front View

Color: Ivory
Gold Plating: 30 microinches
Flammability Rating: 94V-0

ECF504B Series
Network Rating: Category 3
Color: Black
Gold Plating: 50 microinches
Flammability Rating: 94V-0





PR175F504B-6S



PR35F504B-6S



PR175F504B-4S



PR35F504B-4S



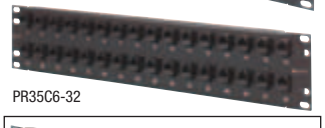
PR175UT568



PR35UT568



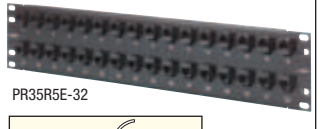
PR175C6-16



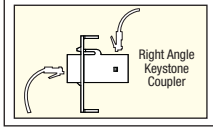
PR35C6-32



PR175R5E-16



PR35R5E-32



Item #	Description	Color	1-9	10-24	25-99	100-249	250-499

Deluxe Panel Mounted Modular Couplers, 30 Microinches Gold, Ivory Color

These straight and cross wired modular couplers are available exclusively from L-com. Eight different configurations all fit into the same 0.675" (1.7cm) x 0.900" (2.3cm) rectangular opening. Wire contacts have 30 microinch gold plating for multiple insertions. Plastic is 94V-0 rated. Color: Ivory. Flange accepts #4 or #5 mounting screws to be purchased separately. Category 3 rated.

ECF504-4C	Modular Coupler, RJ11 (6x4), Crossed, 30µ	Ivory	3.75	3.67	3.52	3.30	2.81
ECF504-6C	Modular Coupler, RJ12 (6x6), Crossed, 30µ	Ivory	3.95	3.87	3.71	3.48	2.96
ECF504-8C	Modular Coupler, RJ45 (8x8), Crossed, 30µ	Ivory	4.95	4.85	4.65	4.36	3.71
ECF504-4S	Modular Coupler, RJ11 (6x4), Straight, 30µ	Ivory	3.75	3.67	3.52	3.30	2.81
ECF504-6S	Modular Coupler, RJ12 (6x6), Straight, 30µ	Ivory	3.95	3.87	3.71	3.48	2.96
ECF504-6SMJ	Modular Coupler, MMJ (6x6), Straight, 30µ	Ivory	3.95	3.87	3.71	3.48	2.96
ECF504-8SK	Modular Coupler, RJ45 (8x8K), Straight, 30µ	Ivory	4.95	4.85	4.65	4.36	3.71
ECF440	Machine Screws, 4-40 x 5/16", Pkg/100		4.35	4.00	3.65	3.31	2.96

Deluxe Panel Mounted Modular Jacks - 10" Wire Leads, 30 Microinches Gold, Ivory Color

One difficulty in using modular jacks is the mounting problem on a panel. L-com's solution to this problem is providing a flange that mounts with two screws in a 0.675" (1.7cm) x 0.900" (2.3cm) rectangular opening. Choice of RJ11/12 (6x6) or RJ45 (8x8K) usable with keyed or non-keyed plugs. Custom versions of other jack types considered in quantities of 500/up. Mounting screws must be purchased separately.

ECJ504-6	Modular Panel Jack, RJ12 (6x6) / Wires, 30µ	Ivory	3.95	3.87	3.71	3.48	2.96
ECJ504-8	Modular Panel Jack, RJ45K (8x8K), / Wires, 30µ	Ivory	4.29	4.20	4.03	3.78	3.22
ECF440	Machine Screws, 4-40 x 5/16", Pkg/100		4.35	4.00	3.65	3.31	2.96

Deluxe Panel Mounted Couplers, 50 Microinches Gold, Black Color

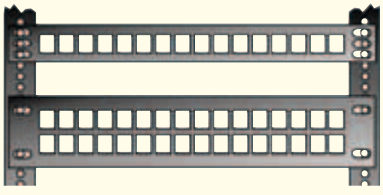
These couplers are similar to the ECF504 Series with two changes. The molding has been changed to a Black color for applications when Ivory is not wanted. Also, the contacts have 50 microinches of gold for superior mating with modular plugs. Mounting screws must be purchased separately. Category 3 rated.

ECF504B-4S	Modular Coupler, RJ11 (6x4), Straight, 50µ	Black	3.75	3.67	3.52	3.30	2.81
ECF504B-6S	Modular Coupler, RJ12 (6x6), Straight, 50µ	Black	3.95	3.87	3.71	3.48	2.96
ECF504B-8SK	Modular Coupler, RJ45K (8x8K), Straight, 50µ	Black	4.95	4.85	4.65	4.36	3.71
ECF440	Machine Screws, 4-40 x 5/16", Pkg/100		4.35	4.00	3.65	3.31	2.96

19" (48.3cm) Modular Patch Panels - Equipped with 16 or 32 ECF504B Modular Couplers

These panels utilize the ECF504B couplers with 50 microinch plating. 16 and 32 port available. Straight thru pinned only. Color: Black.

PR175F504B-4S	1.75" (4.4cm) 16 Port Panel RJ11 (6x4), Straight-Thru	Black	74.95	68.95	62.96	56.96	CALL
PR175F504B-6S	1.75" (4.4cm) 16 Port Panel RJ12 (6x6), Straight-Thru	Black	82.95	76.31	69.68	63.04	CALL
PR175F504B-8SK	1.75" (4.4cm) 16 Port Panel RJ45 (8x8), Straight, Keyed	Black	89.95	82.75	75.56	68.36	CALL
PR35F504B-4S	3.50" (8.9cm) 32 Port Panel RJ11 (6x4), Straight-Thru	Black	129.95	119.55	109.16	98.76	CALL
PR35F504B-6S	3.50" (8.9cm) 32 Port Panel RJ12 (6x6), Straight-Thru	Black	144.95	133.35	121.76	110.16	CALL
PR35F504B-8SK	3.50" (8.9cm) 32 Port Panel RJ45 (8x8), Straight, Keyed	Black	169.95	156.35	142.76	129.16	CALL



How Rack Spaces and Sizes are Measured

Racks are a great way to neaten up wiring closets and labs. Network equipment and rack panels usually come in 1.75" (4.4cm), 3.5" (8.9cm) and 5.25" (13.3cm) heights. (1, 2 and 3 rack spaces).

Premium Keystone Style - 16 and 32 Port Feed-Thru Modular Panels, Category 5e Rated

These 19" (48.3cm) rack panels utilize the UJ5T568 and UJ5T568S couplers. 16 and 32 port versions available in shielded and unshielded configurations. Category 5e rated. Color: Black.

PR175UT568	1.75" (4.4cm) 16 Port Cat5e Feed-Thru Panel, Unshielded	Black	179.95	165.55	151.16	136.76	CALL
PR175UT568S	1.75" (4.4cm) 16 Port Cat5e Feed-Thru Panel, Shielded	Black	199.95	183.95	167.96	151.96	CALL
PR35UT568	3.50" (8.9cm) 32 Port Cat5e Feed-Thru Panel, Unshielded	Black	299.95	275.95	251.96	227.96	CALL
PR35UT568S	3.50" (8.9cm) 32 Port Cat5e Feed-Thru Panel, Shielded	Black	379.95	349.55	319.16	288.76	CALL

Keystone Style - 16 and 32 Port Feed-Thru Modular Panels - Category 6 Rated

These rack panels utilize the TDG1026KC6 or TDG1026KS-C6 Category 6 couplers. 16 and 32 port versions are available in shielded and unshielded configurations. Color: Black.

PR175C6-16	1.75" (4.4cm) 16 Port Cat6 Feed-Thru Panel, Unshielded	Black	189.95	174.75	159.56	144.36	CALL
PR175C6-16S	1.75" (4.4cm) 16 Port Cat6 Feed-Thru Panel, Shielded	Black	239.95	220.75	201.56	182.36	CALL
PR35C6-32	3.50" (8.9cm) 32 Port Cat6 Feed-Thru Panel, Unshielded	Black	319.95	294.35	268.76	243.16	CALL
PR35C6-32S	3.50" (8.9cm) 32 Port Cat6 Feed-Thru Panel, Shielded	Black	369.95	340.35	310.76	281.16	CALL

Right Angle Keystone Style - 16 and 32 Port Feed-Thru Modular Panels - Category 5e Rated

Unique, high speed network patching is made easy with L-com's right angle Keystone coupler patch panels. L-com's low-profile, 90 degree Keystone couplers are pre-installed into standard 19" rack panels, providing an easy method for addressing tight fit applications. These couplers offer a true 90 Degree exit from the cable entry point.

PR175R5E-16	1.75" (4.4cm) 16 Port, RA, Cat5e Feed-Thru Panel, Unshielded	Black	129.98	119.58	109.18	98.78	CALL
PR175SR5E-16	1.75" (4.4cm) 16 Port, RA, Cat5e Feed-Thru Panel, Shielded	Black	149.98	137.98	125.98	113.98	CALL
PR35R5E-32	3.50" (8.9cm) 32 Port, RA, Cat5e Feed-Thru Panel, Unshielded	Black	229.98	211.58	193.18	174.78	CALL
PR35SR5E-32	3.50" (8.9cm) 32 Port, RA, Cat5e Feed-Thru Panel, Shielded	Black	254.98	234.58	214.18	193.78	CALL

L-com® Global Connectivity

Customer Testimonials
Read why others choose L-com.
L-com.com/Testimonials

Item #	Description	1-9	10-24	25-99	100-249	250-499

L-com's Exclusive Right Angle Category 5e Keystone Couplers

An exclusive product design from L-com, these new right angle Category 5e couplers offer true 90° connectivity and meet Category 5e standards. These unique right angle keystone couplers were designed to address tight fit applications commonly seen with wall plates and some patch panel designs. These robust right angle Category 5e couplers fit standard .765" (0.3cm) x .585" (0.2cm) keystone openings and can be used for myriad voice, video and data applications.

Features of this right angle coupler:

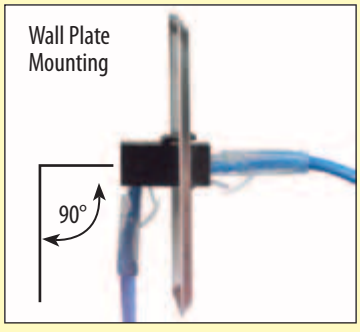
- High Performance Cat5e right angle coupler for panel, wall plate and enclosure mounting
- Gold plated contacts provide reliable connections with repeated mating cycles
- EIA568A/B dual wiring provides compatibility in every installation
- RJ45 jacks conform to TIA-1096
- Meets or exceeds Category 5e standards

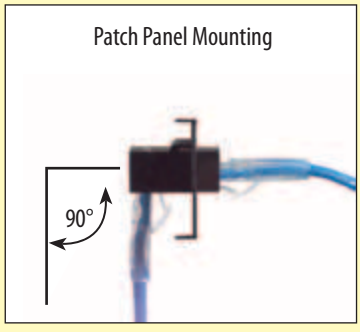
Right Angle Category 5e Keystone Coupler

TDG1026KC-R5E	Category 5e Unshielded RJ45 (8x8) Right Angle Keystone Coupler	7.95	7.31	6.68	6.04	5.41
TDG1026KCS-R5E	Category 5e Shielded RJ45 (8x8) Right Angle Keystone Coupler	9.95	9.15	8.36	7.56	6.77

Tip — Using L-com's right angle Cat5e coupler

The unique design of the L-com TDG1026KC-R5E right angle Cat5e coupler allows for cable connectivity in tight fit/confined space applications found with premise wiring installations involving wall plates and with MDF and IDF applications where patch panel depth is limited.





Premium Panel Mounted Modular Coupler Kits - Category 3, 5e and 6 - Shielded and Unshielded

These unique coupler kits allow panel mounting in virtually any panel thickness. A solid die-cast metal mounting frame provides secure mounting and reliable grounding. Kits include a snap-in coupler, mounting frame and two 4-40 machine screws.

ECF504-C3	Category 3 Unshielded RJ45 (8x8) Deluxe Panel Coupler Kit	4.45	4.09	3.74	3.38	3.03
ECF504-SC3	Category 3 Shielded RJ45 (8x8) Deluxe Panel Coupler Kit	6.95	6.39	5.84	5.28	4.73
ECF504-C5	Category 5e Unshielded RJ45 (8x8) Deluxe Panel Coupler Kit	6.95	6.39	5.84	5.28	4.73
ECF504-SC5E	Category 5e Shielded RJ45 (8x8) Deluxe Panel Coupler Kit	8.95	8.23	7.52	6.80	6.09
ECF504-C6	Category 6 Unshielded RJ45 (8x8) Deluxe Panel Coupler Kit	7.95	7.31	6.68	6.04	5.41
ECF504-SC6	Category 6 Shielded RJ45 (8x8) Deluxe Panel Coupler Kit	9.95	9.15	8.36	7.56	6.77
ECF504-C6A	Category 6A Unshielded RJ45 (8x8) Deluxe Panel Coupler Kit	12.95	11.91	10.88	9.84	8.81
ECF504-SC6A	Category 6A Shielded RJ45 (8x8) Deluxe Panel Coupler Kit	14.95	13.75	12.56	11.36	10.17

RJ45 (8x8) Keystone Feed-Thru Couplers - Shielded and Unshielded Category 3, 5e and 6

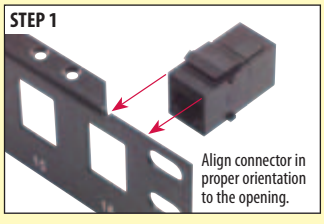
These couplers utilize two RJ45 (8x8) modular jacks and fit into a standard keystone style opening. A slim housing design permits high density mounting. Couplers listed include Category 3, Category 5e and Category 6 performance ratings in both shielded and unshielded versions. Connector housings enclosed within a fully stamped shielding. Designed to work with EIA/TIA 568A and B wiring.

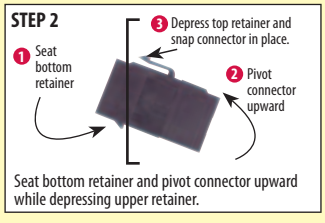
TDG1026KC3	Category 3 Unshielded RJ45 (8x8) Keystone Feed-thru Coupler	2.25	2.07	1.89	1.71	1.53
TDG1026KS-8P	Category 3 Shielded RJ45 (8x8) Keystone Feed-thru Coupler	4.95	4.55	4.16	3.76	3.37
TDG1026KC5	Category 5e Unshielded RJ45 (8x8) Keystone Feed-thru Coupler	4.95	4.55	4.16	3.76	3.37
TDG1026KS-C5E	Category 5e Shielded RJ45 (8x8) Keystone Feed-thru Coupler	6.95	6.39	5.84	5.28	4.73
TDG1026KC6	Category 6 Unshielded RJ45 (8x8) Keystone Feed-thru Coupler	5.95	5.47	5.00	4.52	4.05
TDG1026KS-C6	Category 6 Shielded RJ45 (8x8) Keystone Feed-thru Coupler	7.95	7.31	6.68	6.04	5.41
TDG1026KC6A	Category 6A Unshielded RJ45 (8x8) Keystone Feed-thru Coupler	7.95	7.31	6.68	6.04	5.41
TDG1026KS-C6A	Category 6A Shielded RJ45 (8x8) Keystone Feed-thru Coupler	9.95	9.15	8.36	7.56	6.77

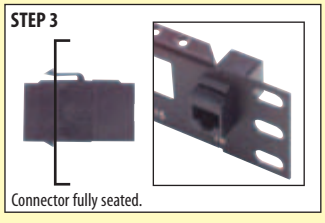
Easily panel mount a keystone style connector

Online Video
L-com.com/Videos/A10

Keystone style refers to the snap-in mounting mechanism that many manufacturers have adopted.







Premium Keystone Style RJ45 (8x8) Feed-Thru Modular Couplers - Category 5e Rated

Two Category 5e feed-thru modular couplers for mating EIA568 A or B Category 5 connections. In both shielded and unshielded versions, this unique offset design maintains Category 5e performance and limits depth to only 1.25" (0.5cm). Designed to mate with keystone style holes. Color: Black or Silver.

UJ5T568	Modular Coupler, Cat5e RJ45 (8x8), Unshielded	Black	9.95	9.15	8.36	7.56	6.77
UJ5T568S	Modular Coupler, Cat5e RJ45 (8x8), Shielded	Silver	11.95	10.99	10.04	9.08	8.13

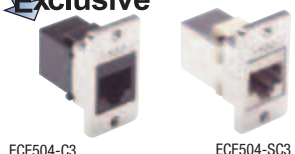
RJ45 Coupler Overview

Online Video
L-com.com/Videos/A29

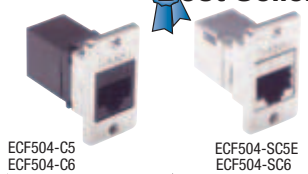
Exclusive



Exclusive



Best Seller

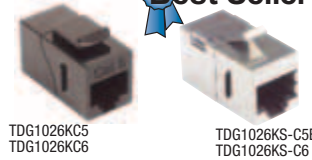


New





Best Seller





Best Seller



Network Rating: Category 5e
Color: Black or Silver
Gold Plating: 50 microinches
Flammability Rating: 94V-0



To see our entire product offering go to...L-com.com

L-com Global Connectivity

Category 6

TC5050



TPC2756



Category 6 Hi-Speed

TFC2930



TFC2932



TFC2934



TFC2936



TFC2939



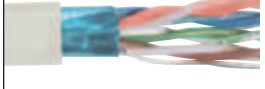
TFC2940



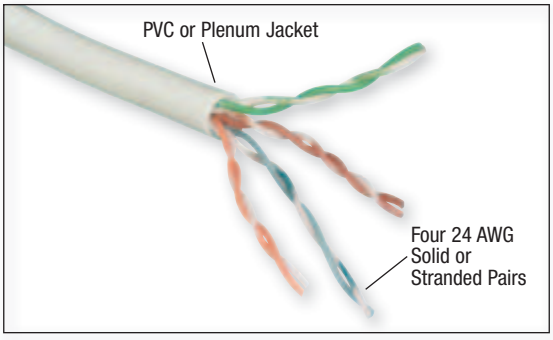
TFC6101



TFCLS6001



Category 6 to 250 MHz UTP Bulk Cable - Maximum Performance for LAN Environments



Maximize performance in your next cabling project with L-com's Category 6 twisted pair cabling. Designed for today's hi-speed gigabit networks. This series is EIA568 color-coded for compatibility with standard installations. Solid conductors terminate easily into standard IDC connectors and panels. Designed to exceed EIA568B standards, this cable will easily handle Gigabit Ethernet applications.

Category 6 Bulk Cable

EIA568



Twisted Pair Pinning: 1 & 2, 3 & 6, 4 & 5, 7 & 8

Category 6 Stranded 4 Pair Cable



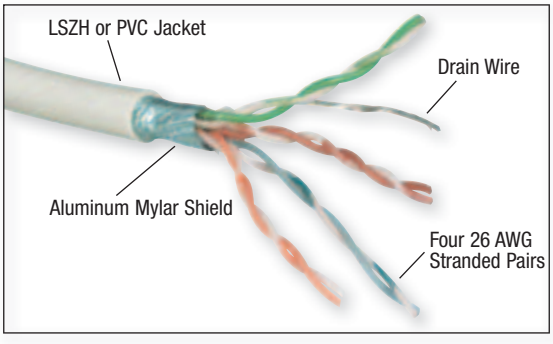
Item #	Description	Color	List Price

FREQUENCY	NEAR END CROSSTALK (NEXT)	POWER SUM NEXT LOSS	EQUAL LEVEL FAR END CROSSTALK (EFLEXT)	POWER SUM EFLEXT	INSERTION LOSS	ATTENUATION	IMPEDANCE
4 MHz	65.3 db	63.3 db	55.8 db	52.8 db	3.8 db	3.8 db	100 Ohms ± 15 Ohms
10 MHz	59.3 db	57.3 db	47.8 db	44.8 db	6 0 db	6 0 db	100 Ohms ± 15 Ohms
20 MHz	54.8 db	52.8 db	41.8 db	38.8 db	8.5 db	8.6 db	100 Ohms ± 15 Ohms
100 MHz	44.3 db	42.3 db	27.8 db	24.8 db	19.8 db	20.2 db	100 Ohms ± 15 Ohms
250 MHz	38.3 db	36.3 db	19.8 db	16.8 db	32.8 db	33.8 db	100 Ohms ± 15 Ohms

This table refers to the electrical specifications of TPC2756, other Category 6 cabling is similar.

TC5050	Category 6, PVC, 1,000ft (304.8m) Reel, 4 Pr. Stranded	Blue	219.00
TPC2756	Category 6, Plenum, 1,000ft (304.8m) Pull Box, 4 Pr. Solid	Blue	399.00

Category 6 Hi-Speed Shielded Network Bulk Cable



For Protection against EMI/RFI interference L-com's High-Performance Category 6 Shielded bulk cable is the perfect choice. Designed for today's hi-speed gigabit networks, this Category 6 cable from L-com is made to out-perform all others. With a 100% foil shield covering 4-Pair 26 AWG stranded conductors, your data is protected from interference. Designed to exceed EIA568B standards, this cable will easily handle Gigabit Ethernet applications.

Category 6 Bulk Cable

EIA568



Twisted Pair Pinning: 1 & 2, 3 & 6, 4 & 5, 7 & 8

Category 6 Stranded 4 Pair Cable



TFC2930	Category 6 Shielded, 4 Pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel	Black	349.00
TFC2932	Category 6 Shielded, 4 Pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel	Red	349.00
TFC2934	Category 6 Shielded, 4 Pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel	Yellow	349.00
TFC2936	Category 6 Shielded, 4 Pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel	Blue	349.00
TFC2939	Category 6 Shielded, 4 Pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel	White	349.00
TFC2940	Category 6 Shielded, 4 Pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel	Beige	349.00
TFC6101	Category 6 Shielded, 4 Pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel	Gray	349.00
TFCLS6001	Category 6 Shielded, 4 Pr. Stranded LSZH 26 AWG, 1,000ft (304.8m) Reel	Gray	499.00

Solid vs Stranded Center Conductors

Online Video

L-com.com/Videos/A19

In network cabling there are two distinct types of cable that are offered. Each type of cable has advantages and disadvantages:

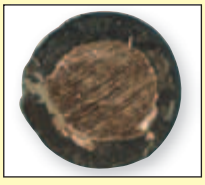
Stranded cable, used on workstation patch cords, is very flexible and easily bends but has a slightly higher attenuation factor.

Solid cable, used in horizontal runs, is stiff but offers better transmission performance.

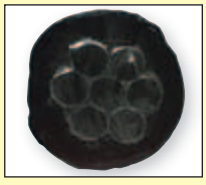
Comparison Between Solid and Stranded Conductor Cable

	Solid Conductor Cable	Stranded Conductor Cable
Advantages	Lowest Cost Best Transmission Performance Terminates to IDC110 Blocks/Jacks	Very Flexible Easy Plug Termination
Disadvantages	Not Flexible Difficult to terminate to plug	Higher Cost Recommended Distance (<10m) Higher Attenuation Cannot connect to IDC 110 blocks

Solid Conductor Cable



Stranded Conductor Cable



L-com Global Connectivity

Tips

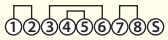
Easy-to-understand tips to help with some of today's popular product applications. L-com.com/Tips

Shielded (FTP) 5e to 100 MHz Bulk Cable - Help Suppress Noise in Networks - 2 and 4 Pair

Screened (shielded) twisted pair is ideal for use in environments where EMI/RFI is a concern. A foil wrap with a drain wire protects signals from external noise. Available in stranded 26 AWG conductor with PVC and Low Smoke Zero Halogen jackets. Double shielded (foil + braid) 24 AWG solid is now available for use where extra noise protection is required. Plenum version is 24 AWG solid conductor. Sold in 1000' (304.8m) spools.

Category 5e Bulk Cable

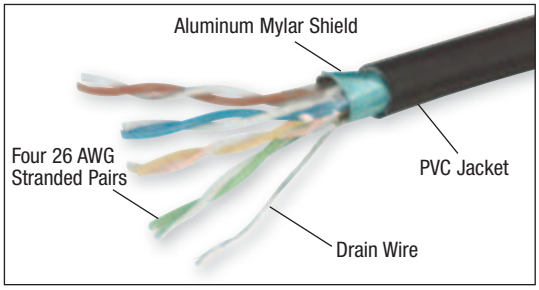
EIA568



Twisted Pair Pinning: 1 & 2, 3 & 6, 4 & 5, 7 & 8

Category 5e Stranded 4 Pair Cable





Item #	Description	Color	List Price

FREQUENCY	NEAR END CROSS TALK (NEXT)	ATTENUATION	CAPACITANCE	IMPEDANCE
4 MHz	53 db min.	13 db/330 ft max.	14 pF/ft Max	100 Ohms ± 15 Ohms
10 MHz	47 db min.	20 db/330 ft max.	14 pF/ft Max	100 Ohms ± 15 Ohms
20 MHz	42 db min.	28 db/330 ft max.	14 pF/ft Max	100 Ohms ± 15 Ohms
100 MHz	32 db min.	67 db/330 ft max.	14 pF/ft Max	100 Ohms ± 15 Ohms

This table refers to the electrical specifications of TFPC2648, other Screened Category 5e cabling is similar.
TFC2002, TFC2004, TFC2006, TFDL2004, TFCLS2004 and TFCHF2004 cables are 26 AWG.

Category 5e PVC Bulk Cable with Foil Shield

TFC2002	Category 5e Shielded, 2-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel	Beige	229.00
TFC2004	Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel	Lt. Gray	259.00
TFC2006	Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel	Red	259.00
TFC2900	Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel	Black	259.00
TFC2901	Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel	Brown	259.00
TFC2903	Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel	Orange	259.00
TFC2904	Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel	Yellow	259.00
TFC2905	Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel	Green	259.00
TFC2906	Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel	Blue	259.00
TFC2907	Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel	Violet	259.00
TFC2908	Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel	Gray	259.00
TFC2909	Category 5e Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (304.8m) Reel	White	259.00

Category 5e Plenum Bulk Cable with Foil Shield

TFPC2648	Category 5e, 4-pr. Solid Plenum, 1,000ft (304.8m) Reel	Blue	499.00

Category 5e PVC Bulk Cable with Foil + Braid Shielding

TFSC2004	Category 5e Shielded, 4-pr. Solid PVC 24 AWG, 1,000ft (304.8m) Reel	Ivory	399.00

Category 5e Low Smoke Zero Halogen Bulk Cable with Foil Shield

TFCLS2004	Category 5e Shielded, 4-pr. Stranded LSZH, 1,000ft (304.8m) Reel	Black	479.00

Category 5e Low Smoke Zero Halogen Bulk Cable with Foil + Braid Shielding

TFDL2004	Category 5e Shielded, 4-pr. Stranded LSZH 26 AWG, 1,000ft (304.8m) Reel	Lt. Gray	499.00
TFDL2104	Category 5e Shielded, 4-pr. Solid LSZH 24 AWG, 1,000ft (304.8m) Reel	Lt. Gray	399.00

Category 5e PUR Double Shielded Industrial Ethernet Bulk Cable

TFCPUR5730	Cat5e, Double Shielded, PUR 4-pr. Stranded, 26 AWG, 1,000ft (305m) Reel	Black	949.00

Category 5e Shielded Continuous Hi-Flex Oil Resistant Industrial Ethernet Bulk Cable

Designed for environments where ordinary cables fail, this exclusive ultra flexible Category 5e shielded bulk cable from L-com is built to take a beating. With a Halogen-Free PUR jacket, these Hi-Flex cables will not breakdown when exposed to oil based lubricants making it ideal for robotic control systems on the factory floor. TFCHF2004 is tested to 2.5 million flex cycles (12.5 X cable O.D. min. radius). TFCLS2005 is tested to 10 Million flex cycles (20 X cable O.D. min radius).

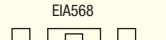
TFCHF2004	Cat5e Shielded, 4-pr. Stranded Hi-Flex, 26 AWG, 1,000ft (304.8m) Reel	Teal	2995.00
TFCLS2005	Cat5e Shielded, 4-pr. Stranded Extreme Hi-Flex, 26 AWG, 1,000ft (304.8m) Reel	Teal	1449.00
TFCLS5075	Cat5e Shielded, 4-pr. Stranded Extreme Hi-Flex, 26 AWG, 1,000ft (304.8m) Reel	Black	1449.00

Category 6a High Performance Shielded Bulk Cable

For Protection against EMI/RFI interference L-com's High-Performance Category 6a foil shielded bulk cable is the perfect choice. Surpassing the Category 6 standard, this Category 6a cable is designed for 10 gigabit networks. With a 100% foil shield covering 4-Pair 26 AWG stranded conductors, your data is protected from interference. Designed to exceed EIA568B standards, this cable will easily handle 10 Gigabit Ethernet applications. Contact us today for all of your network cabling needs.

Category 6a Bulk Cable

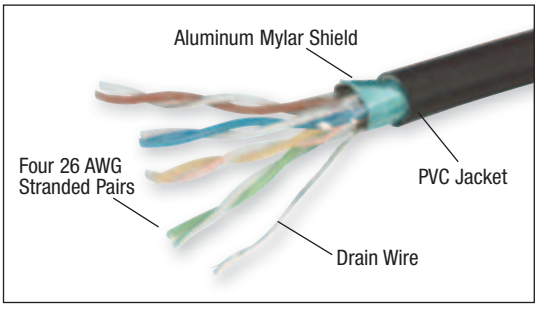
EIA568



Twisted Pair Pinning: 1 & 2, 3 & 6, 4 & 5, 7 & 8

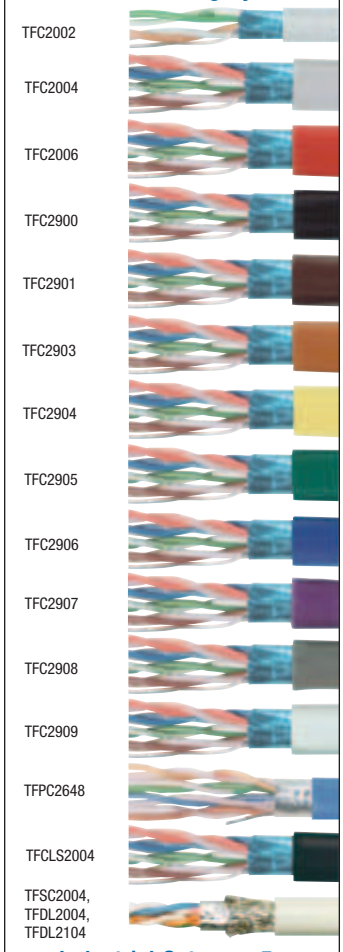
Category 6a Stranded 4 Pair Cable



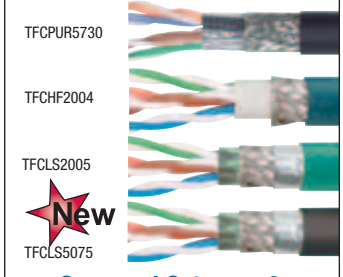


TFC2942	Category 6a Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (305m) Reel	Black	419.00
TFC2944	Category 6a Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (305m) Reel	Red	419.00
TFC2946	Category 6a Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (305m) Reel	Yellow	419.00
TFC2947	Category 6a Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (305m) Reel	Green	419.00
TFC2948	Category 6a Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (305m) Reel	Blue	419.00
TFC2950	Category 6a Shielded, 4-pr. Stranded PVC 26 AWG, 1,000ft (305m) Reel	Gray	419.00

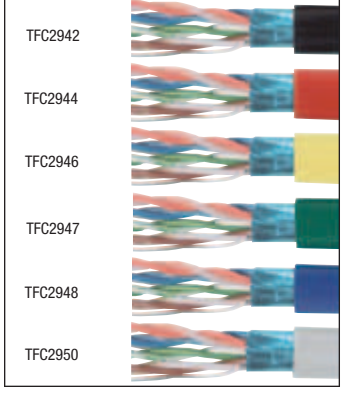
Screened Category 5e



Industrial Category 5e



Screened Category 6a



What is the difference in flammability ratings?
See the free video tip and more at L-com.com/Videos/A20

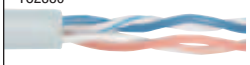
L-com Global Connectivity

Category 5e

TC2379



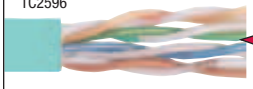
TC2380



TC2581



TC2596



New

TPC2567



TC58141



TPC58142

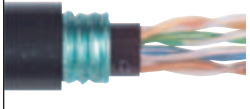


Outdoor Category 5e

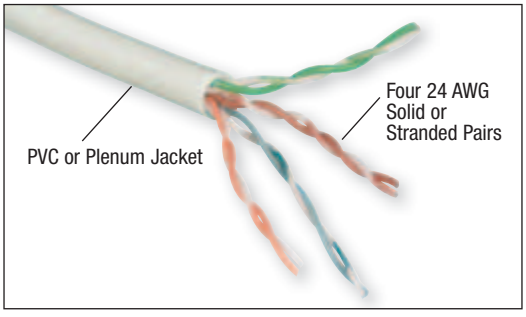
TOAC2004



TOBC2004



Category 5e to 100 MHz - Hi-Speed UTP for LAN and Emerging Applications



Unshielded twisted pair has become the cabling of choice in voice and data applications. Low cost and easy installation are driving popularity. As new higher speed applications emerge, higher performance from cabling systems is required. Category 5e performance requirements add margin over existing Category 5 specifications to support more robust, bi-directional signaling schemes over all four pairs. Applications supported include: 10Base-T, 100Base-T, 100Base-TX, 1000Base-T, 100BaseVG-Any-LAN, 155Mbps ATM and a number of emerging multimedia applications.

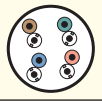
Category 5e Bulk Cable

EIA568



Twisted Pair Pinning: 1 & 2, 3 & 6, 4 & 5, 7 & 8

Category 5e Stranded 4 Pair Cable



Item # Description Color List Price

FREQUENCY	NEAR END CROSSTALK (NEXT)	POWER SUM NEXT LOSS	EQUAL LEVEL FAR END CROSSTALK (EFLEXT)	POWER SUM EFLEXT	RETURN LOSS	ATTENUATION	IMPEDANCE
4 MHz	56.3 db	53.3 db	51.7 db	48.7 db	23 db	4.1 db	100 Ohms ± 15 Ohms
10 MHz	50.3 db	47.3 db	43.8 db	40.8 db	25 db	6.5 db	100 Ohms ± 15 Ohms
20 MHz	45.8 db	42.8 db	37.7 db	34.7 db	25 db	9.3 db	100 Ohms ± 15 Ohms
100 MHz	35.3 db	32.3 db	23.8 db	20.8 db	20.1 db	22 db	100 Ohms ± 15 Ohms

This table refers to the electrical specifications of TC2379, other Category 5e cabling is similar.

TC2379	Category 5e, PVC Bulk, 1,000ft (304.8m) Box, 4 Pr. Solid	Beige	99.00
TC2737	Category 5e, PVC Bulk, 1,000ft (304.8m) Box, 4 Pr. Solid	Gray	99.00
TC58141	Category 5e, PVC Bulk, 1,000ft (304.8m) Reel, 25 Pr. Solid	Gray	1895.95
TC2380	Category 5e, PVC Bulk, 1,000ft (304.8m) Reel, 2 Pr. Stranded	Beige	159.00
TC2382	Category 5e, PVC Bulk, 1,000ft (304.8m) Reel, 4 Pr. Stranded	Beige	229.00
TC2581	Category 5e, PVC Bulk, 1,000ft (304.8m) Reel, 4 Pr. Stranded	Yellow	229.00
TC2589	Category 5e, PVC Bulk, 1,000ft (304.8m) Reel, 4 Pr. Stranded	Red	229.00
TC2590	Category 5e, PVC Bulk, 1,000ft (304.8m) Reel, 4 Pr. Stranded	Green	229.00
TC2595	Category 5e, PVC Bulk, 1,000ft (304.8m) Reel, 4 Pr. Stranded	Lt. Blue	229.00
TC2596	Category 5e, PVC Bulk, 1,000ft (304.8m) Reel, 4 Pr. Stranded	Aqua	229.00
TC2599	Category 5e, PVC Bulk, 1,000ft (304.8m) Reel, 4 Pr. Stranded	Blue	229.00
TPC2347	Category 5e, Plenum Bulk, 1,000ft (304.8m) Box, 4 Pr. Solid	White	219.00
TPC2567	Category 5e, Plenum Bulk, 1,000ft (304.8m) Box, 4 Pr. Solid	Blue	219.00
TPC58142	Category 5e, Plenum Bulk, 1,000ft (304.8m) Reel, 25 Pr. Solid	Gray	3999.00

Category 5e Outdoor UV Resistant Gel-Filled Bulk Cable - Ethernet Grade Cable for Outdoor Usage

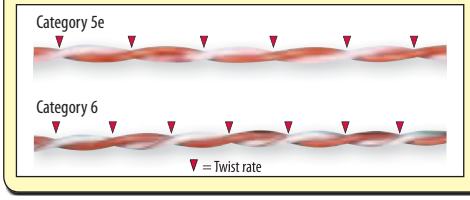
Protect Ethernet cable runs outside with L-com's outdoor Category 5e rated twisted pair cabling. The gel-filled jacket provides moisture protection when used in an outdoor environment. With the UV protected jacket, outdoor cable runs are protected from damage caused by sunlight exposure. The cable is EIA568 color-coded for compatibility with standard installations and features solid conductors for termination into standard IDC connectors. Order online today.

FREQUENCY	NEAR END CROSS TALK (NEXT)	ATTENUATION	CAPACITANCE	IMPEDANCE
4 MHz	53 dB min.	4.1 dB/330 ft max.	14 pF/ft Max	100 Ohms ± 15 Ohms
10 MHz	47 dB min.	6.5 dB/330 ft max.	14 pF/ft Max	100 Ohms ± 15 Ohms
20 MHz	42 dB min.	9.3 dB/330 ft max.	14 pF/ft Max	100 Ohms ± 15 Ohms
100 MHz	32 dB min.	22 dB/330 ft max.	14 pF/ft Max	100 Ohms ± 15 Ohms

TOAC2004	Cat5e, Outdoor Aerial / Duct, 1,000ft (304.8m) Reel, 4 Pr. Solid	Black	250.00
TOBC2004	Cat5e, Outdoor Direct Burial, 1,000ft (304.8m) Reel, 4 Pr. Solid	Black	549.00

Tip *What is the difference between Category 5e & Category 6 100 Ohm UTP?*

The Category 6 Standard adopted in mid 2002 extended key parameters over 5e specifications. The additional headroom is intended to provide quality transmission at higher data rates required by emerging applications. As the chart indicates, the most prominent difference is the frequency at which the key parameters are measured. The jump from 100 to 250 Mhz places a great deal of emphasis on component quality as well as installation techniques. This improvement is commonly noticed by the increased pair twisting and staggering of twisted pairs.



	Category 5e	Category 6
Frequency	100 MHz	250 MHz
Attenuation	22 db	19.8 db/100M @ 100 MHz 32.8 db/100M @ 250 MHz
Return Loss	19 db	19 db @ 100 MHz 15.6 db @ 250 MHz
Delay Skew	45 ns	45 ns
Near End Crosstalk (NEXT)	35.3 db	44.3 db @ 100 MHz 38.3 db @ 250 MHz
Power Sum Near End Crosstalk (PS-NEXT)	32.3 db	42.3 db @ 100 MHz 36.3 db @ 250 MHz
Equal Level Far End Crosstalk (ELFEXT)	23.8 db	27.8 db @ 100 MHz 19.8 db @ 250 MHz
Power Sum Equal Level Far End Crosstalk (PS-ELFEXT)	20.8 db	24.8 db @ 100 MHz 16.8 db @ 250 MHz

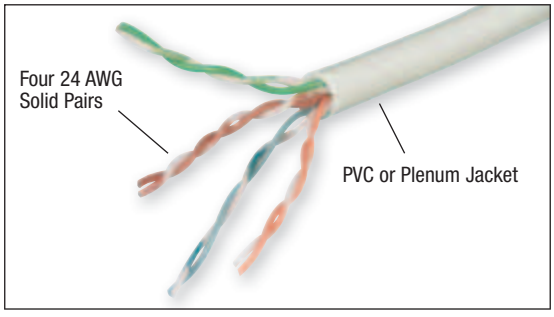
L-com Global Connectivity

What is the difference between stranded and solid cable?
See the free video tip and more at L-com.com/Videos/A19



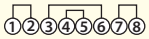
Category 3 to 16 MHz - Medium Speed UTP - 2, 3, 4, 12 and 25 Pair Solid Conductor

Category 3 twisted pair cabling is the perfect choice to control cost when low speed telephone or data is required. This PVC-jacketed cable is EIA568 color-coded for compatibility with standard installations. Category 3 cabling is perfect for telephone and low speed data applications. Solid conductors terminate easily into standard IDC connectors and panels. Available in PVC or Plenum rated jacket styles.



Category 3 Bulk Cable

EIA568



Twisted Pair Pinning: 1 & 2, 3 & 6, 4 & 5, 7 & 8

Category 3 Solid 4 Pair Cable



Item #	Description	Color	List Price

FREQUENCY	NEAR END CROSS TALK (NEXT)	ATTENUATION	CAPACITANCE	IMPEDANCE
1 MHz	41 db min.	2.6 db/330 ft max.	20 pF/ft Max	100 Ohms ± 15 Ohms
4 MHz	32 db min.	5.6 db/330 ft max.	20 pF/ft Max	100 Ohms ± 15 Ohms
10 MHz	26 db min.	9.7 db/330 ft max.	20 pF/ft Max	100 Ohms ± 15 Ohms
16 MHz	23 db min.	13.1 db/330 ft max.	20 pF/ft Max	100 Ohms ± 15 Ohms

This table refers to the electrical specifications of TC3559, other Category 3 cabling is similar.

TC3559	Category 3, PVC Bulk, 1,000ft (304.8m) Box, 2 Pr. Solid	Gray	59.95
TC3561	Category 3, PVC Bulk, 1,000ft (304.8m) Box, 4 Pr. Solid	Gray	99.95
TC3567	Category 3, PVC Bulk, 1,000ft (304.8m) Reel, 12 Pr. Solid	Gray	299.00
TC3570	Category 3, PVC Bulk, 1,000ft (304.8m) Reel, 25 Pr. Solid	Gray	579.00
TPC4756	Category 3, Plenum Bulk, 1,000ft (304.8m) Box, 2 Pr. Solid	Green	99.95
TPC4757	Category 3, Plenum Bulk, 1,000ft (304.8m) Box, 3 Pr. Solid	Green	119.95
TPC4758	Category 3, Plenum Bulk, 1,000ft (304.8m) Box, 4 Pr. Solid	Green	129.95

Flat Modular Cord - 26 AWG Stranded - 4, 6, 8 and 10 Conductors

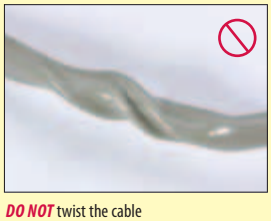
Flat modular (POTS) cable is suitable for voice and low speed data applications. Flat oval design permits fast stripping and crimping of modular plugs. Cable construction features flexible PVC jacketing. Available in popular 4, 6, 8 and 10 conductor counts. UL listed. Sold in 100', 500' and 1000' spools.

TDB4-100	4 Conductor Flat Modular Cord, PVC Bulk, 100ft (30.5m) Coil	Gray	10.95
TDB6-100	6 Conductor Flat Modular Cord, PVC Bulk, 100ft (30.5m) Coil	Gray	16.95
TDB8-100	8 Conductor Flat Modular Cord, PVC Bulk, 100ft (30.5m) Coil	Gray	24.95
TDB4-500	4 Conductor Flat Modular Cord, PVC Bulk, 500ft (152.4m) Reel	Gray	39.95
TDB6-500	6 Conductor Flat Modular Cord, PVC Bulk, 500ft (152.4m) Reel	Gray	64.95
TDB8-500	8 Conductor Flat Modular Cord, PVC Bulk, 500ft (152.4m) Reel	Gray	75.95
TDB4-1000	4 Conductor Flat Modular Cord, PVC Bulk, 1,000ft (304.8m) Reel	Gray	74.95
TDB6-1000	6 Conductor Flat Modular Cord, PVC Bulk, 1,000ft (304.8m) Reel	Gray	114.95
TDB8-1000	8 Conductor Flat Modular Cord, PVC Bulk, 1,000ft (304.8m) Reel	Gray	164.95
TDB10-1000	10 Conductor Flat Modular Cord, PVC Bulk, 1,000ft (304.8m) Reel	Gray	189.95

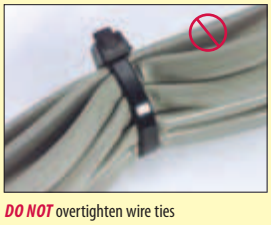
Tip *UTP and STP installation guidelines*



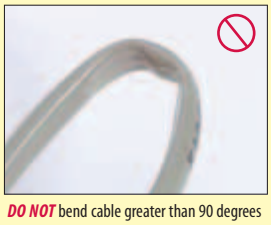
The minimum recommended bend radius for UTP is typically 10 times the cable's OD (Outside Diameter).



DO NOT twist the cable



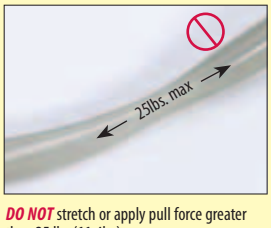
DO NOT overtighten wire ties



DO NOT bend cable greater than 90 degrees



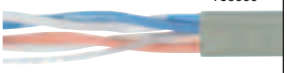
DO NOT use a stapler for installations



DO NOT stretch or apply pull force greater than 25 lbs (11.4kg).

Category 3

TC3559



TC3561



TC3567



TC3570



TPC4756



TPC4757



TPC4758



Flat Modular Cord

TDB4-500



TDB6-500



TDB8-500



TDB10-1000



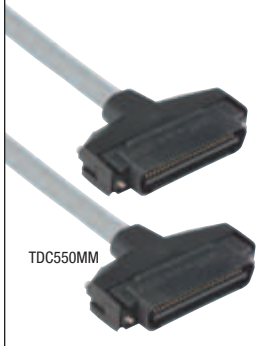


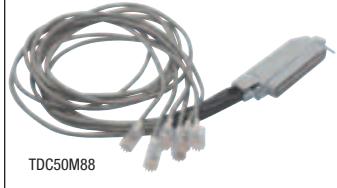
To see our entire product offering
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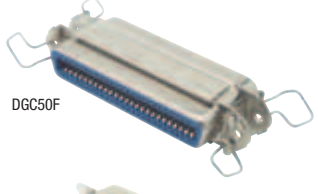

TDC350FF

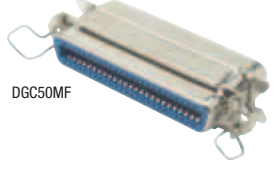

TDC550FF


TDC550MM


TDC50M88


TRDC500M


DGC50F


DGC50MF

Item #	Description	Wiring	1-9	10-24	25-99	100-249

25-Pair Telco Cables - Dual Terminated and Breakout (Octopus) Versions

L-com offers a variety of straight-thru and breakout 25 pair telco trunk cables for voice and data networks. Cables come in Category 3 and 5 grades and utilize PVC jackets. Plenum grade and other configurations available by custom request. Category 5 cables utilize 180° or 90° connector ends.

TDC350FF-5	Cat3, Telco Cable, 90° Female / 90° Female, 5.0ft (1.5m)	A	31.95	29.39	26.84	CALL
TDC350FF-10	Cat3, Telco Cable, 90° Female / 90° Female, 10.0ft (3.0m)	A	36.95	33.99	31.04	CALL
TDC350FF-15	Cat3, Telco Cable, 90° Female / 90° Female, 15.0ft (4.6m)	A	42.95	39.51	36.08	CALL
TDC350FF-25	Cat3, Telco Cable, 90° Female / 90° Female, 25.0ft (7.6m)	A	53.95	49.63	45.32	CALL
TDC350FF-50	Cat3, Telco Cable, 90° Female / 90° Female, 50.0ft (15.2m)	A	80.95	74.47	68.00	CALL
TDC350FF-100	Cat3, Telco Cable, 90° Female / 90° Female, 100.0ft (30.5m)	A	135.95	125.07	114.20	CALL
TDC350MM-5	Cat3, Telco Cable, 90° Male / 90° Male, 5.0ft (1.5m)	A	31.95	29.39	26.84	CALL
TDC350MM-10	Cat3, Telco Cable, 90° Male / 90° Male, 10.0ft (3.0m)	A	36.95	33.99	31.04	CALL
TDC350MM-15	Cat3, Telco Cable, 90° Male / 90° Male, 15.0ft (4.6m)	A	42.95	39.51	36.08	CALL
TDC350MM-25	Cat3, Telco Cable, 90° Male / 90° Male, 25.0ft (7.6m)	A	53.95	49.63	45.32	CALL
TDC350MM-50	Cat3, Telco Cable, 90° Male / 90° Male, 50.0ft (15.2m)	A	80.95	74.47	68.00	CALL
TDC350MM-100	Cat3, Telco Cable, 90° Male / 90° Male, 100.0ft (30.5m)	A	135.95	125.07	114.20	CALL
TDC550FF-5	Cat5, Telco Cable, 90° Female / 90° Female, 5.0ft (1.5m)	A	69.50	65.33	61.16	56.99
TDC550FF-10	Cat5, Telco Cable, 90° Female / 90° Female, 10.0ft (3.0m)	A	78.50	73.79	69.08	64.37
TDC550FF-15	Cat5, Telco Cable, 90° Female / 90° Female, 15.0ft (4.6m)	A	87.50	82.25	77.00	71.75
TDC550FF-25	Cat5, Telco Cable, 90° Female / 90° Female, 25.0ft (7.6m)	A	104.50	98.23	91.96	85.69
TDC550FF-50	Cat5, Telco Cable, 90° Female / 90° Female, 50.0ft (15.2m)	A	148.50	139.59	130.68	121.77
TDC550FF-100	Cat5, Telco Cable, 90° Female / 90° Female, 100.0ft (30.5m)	A	235.50	221.37	207.24	193.11
TDC550MM-5	Cat5, Telco Cable, 180° Male / 180° Male, 5.0ft (1.5m)	A	69.50	65.33	61.16	56.99
TDC550MM-10	Cat5, Telco Cable, 180° Male / 180° Male, 10.0ft (3.0m)	A	78.50	73.79	69.08	64.37
TDC550MM-15	Cat5, Telco Cable, 180° Male / 180° Male, 15.0ft (4.6m)	A	87.50	82.25	77.00	71.75
TDC550MM-25	Cat5, Telco Cable, 180° Male / 180° Male, 25.0ft (7.6m)	A	104.50	98.23	91.96	85.69
TDC550MM-50	Cat5, Telco Cable, 180° Male / 180° Male, 50.0ft (15.2m)	A	148.50	139.59	130.68	121.77
TDC550MM-100	Cat5, Telco Cable, 180° Male / 180° Male, 100.0ft (30.5m)	A	235.50	221.37	207.24	193.11

Category 3, Octopus Cables - Convert 25-Pair Telco to a Variety of Modular Cable Breakouts

This is a useful cable arrangement that allows conversion from a 90° 50 pin Telco connector to a variety of modular cables terminated with male RJ plugs having 2, 4, 6 or 8 active pins. All cables are three feet long. Wired per USOC Standard. Category 3 rated.

TDC50M62	Cat3 Telco Breakout Cable, Male Telco / 25 (6x2), 3.0ft (0.9m)	B	89.95	84.55	79.16	73.76
TDC50M64	Cat3 Telco Breakout Cable, Male Telco / 12 (6x4), 3.0ft (0.9m)	C	64.95	61.05	57.16	53.26
TDC50M66	Cat3 Telco Breakout Cable, Male Telco / 8 (6x6), 3.0ft (0.9m)	D	59.95	56.35	52.76	49.16
TDC50M88	Cat3 Telco Breakout Cable, Male Telco / 6 (8x8), 3.0ft (0.9m)	E	59.95	56.35	52.76	49.16
TDC50F62	Cat3 Telco Breakout Cable, Female Telco / 25 (6x2), 3.0ft (0.9m)	B	89.95	84.55	79.16	73.76
TDC50F64	Cat3 Telco Breakout Cable, Female Telco / 12 (6x4), 3.0ft (0.9m)	C	64.95	61.05	57.16	53.26
TDC50F66	Cat3 Telco Breakout Cable, Female Telco / 8 (6x6), 3.0ft (0.9m)	D	59.95	56.35	52.76	49.16
TDC50F88	Cat3 Telco Breakout Cable, Female Telco / 6 (8x8), 3.0ft (0.9m)	E	59.95	56.35	52.76	49.16

Category 5, Octopus Cables - Patch to Network Ethernet Equipment, etc.

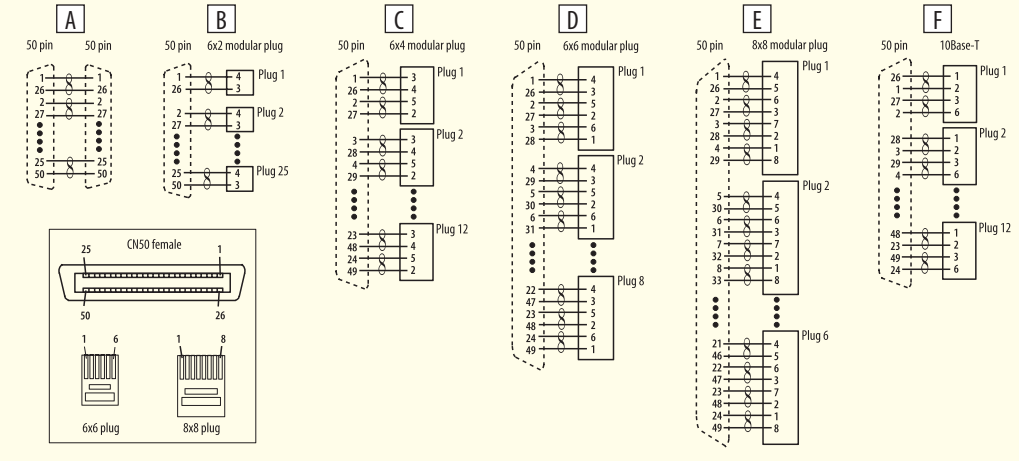
Category 5 octopus cables break out one 180° telco connector to 12 RJ45 plugs wired for Ethernet 10Base-T.

TRDC500M-3S	Cat5 Breakout Cable, Male Telco / 12 10Base-T (8x4), 3.0ft (0.9m)	F	58.60	55.08	51.57	CALL
TRDC500M-6S	Cat5 Breakout Cable, Male Telco / 12 10Base-T (8x4), 6.0ft (1.8m)	F	62.20	58.47	54.74	CALL
TRDC500M-10S	Cat5 Breakout Cable, Male Telco / 12 10Base-T (8x4), 10.0ft (3.0m)	F	67.00	62.98	58.96	CALL

50 Position Slim-Line Gender Changers - Mate with SCSI-1 and 50 Position Telco Connectors

DGC50F	50 Pin SCSI Gender Changer, Female / Female	10.95	9.86	8.76	7.66
DGC50M	50 Pin SCSI Gender Changer, Male / Male	10.95	9.86	8.76	7.66
DGC50MF	50 Pin SCSI Telco Socket Saver, Male / Female	10.95	9.86	8.76	7.66

Pinning Legend



L-com Global Connectivity

Customer Testimonials
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L-com.com/Testimonials

Item #	Description	Wiring	1-9	10-24	25-99	100-249	250-499

Harmonica Style Cluster Bars - An Efficient Way to Distribute Your 25 Pair Lines

Break out your 50 pin Telco terminated cabling by connecting to a harmonica style cluster bar. These units use one male or female 25 pair Telco connector as input and 6, 8 or 12 modular jacks as output. Two holes for screw mounting or 2-sided tape may be used. Connector has Hook and Loop hold-down straps to eliminate screw tightening. USOC and 10Base-T wiring only.

EC412M	Telco Harmonica 12 RJ11 (6x4) / 50 Pin Male	USOC	29.95	26.95	23.96	20.96	CALL
EC608M	Telco Harmonica 8 RJ12 (6x6) / 50 Pin Male	USOC	29.50	26.55	23.60	20.65	CALL
EC806M	Telco Harmonica 6 RJ45 (8x8) / 50 Pin Male	USOC	31.50	28.35	25.20	22.05	CALL
EC806MK	Telco Harmonica 6 RJ45 (8x8) / 50 Pin Male	USOC	31.50	28.35	25.20	22.05	CALL
E412M10BASE-T	Telco Harmonica 12 RJ45 (8x4) / 50 Pin Male	10Base-T	39.95	36.75	33.56	30.36	CALL
EC412F	Telco Harmonica 12 RJ11 (6x4) / 50 Pin Female	USOC	29.95	26.95	23.96	20.96	CALL
EC608F	Telco Harmonica 8 RJ12 (6x6) / 50 Pin Female	USOC	29.50	26.55	23.60	20.65	CALL
EC806F	Telco Harmonica 6 RJ45 (8x8) / 50 Pin Female	USOC	31.50	28.35	25.20	22.05	CALL
E412F10BASE-T	Telco Harmonica 12 RJ45 (8x4) / 50 Pin Female	10Base-T	39.95	36.75	33.56	30.36	CALL

19" (48.3cm) x 1.75" (4.4cm) Modular Patch Panel - 2, 3, or 4 Harmonicas Mounted in Low Profile Panel

These exclusive 19" (48.3cm) x 1.75" (4.4cm) panels come loaded with 2, 3, or 4 harmonica cluster bars. Panels are steel construction for durability and have a shelf in back for cable mounting. Black, with White imprinting.

ECHL24-4M	1.75" (4.4cm) Panel with 2 EC412M	USOC	99.95	97.95	93.95	87.96	74.96
ECHL24-6M	1.75" (4.4cm) Panel with 3 EC608M	USOC	129.95	127.35	122.15	114.36	97.46
ECHL24-10BTM	1.75" (4.4cm) Panel with 2 EC412M 10Base-T	10Base-T	119.95	117.55	112.75	105.56	89.96
ECHL24-4F	1.75" (4.4cm) Panel with 2 EC412F	USOC	99.95	97.95	93.95	87.96	74.96
ECHL24-8F	1.75" (4.4cm) Panel with 4 EC806F	USOC	139.95	137.15	131.55	123.16	104.96
ECHL24-10BTF	1.75" (4.4cm) Panel with 2 EC412F 10Base-T	10Base-T	119.95	117.55	112.75	105.56	89.96

Harmonica Style Bridging Adapters - For RJ12 and RJ45 Modular Equipped Cables

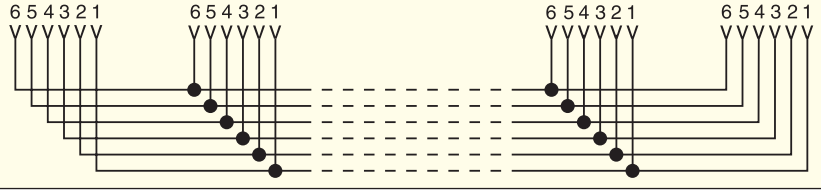
Your choice of 6 or 12 port bridging adapters. Each of the RJ12 (6x6) or RJ45 (8x8) lines are all wired in parallel.

TDS1880	6 Way Bridging Adapter, RJ12 (6x6)		29.95	27.55	25.16	22.76	CALL
TDS1881	6 Way Bridging Adapter, RJ45 (8x8)		31.95	29.39	26.84	24.28	CALL
TDS2167	12 Way Bridging Adapter, RJ45 (8x8)		39.95	36.75	33.56	30.36	CALL

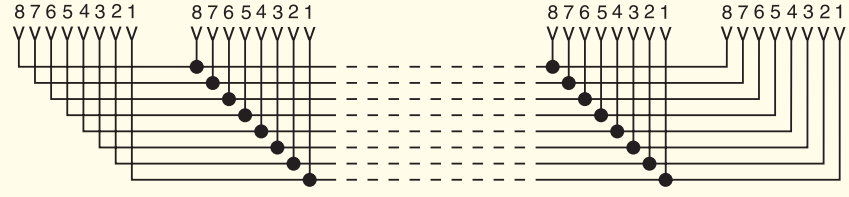
19" (48.3cm) x 1.75" (4.4cm) Modular Bridging Panels - Equipped with 6 or 12 Way Bridging Adapters

ECHL1881	1.75" (4.4cm) Panel with 4-6 Way (8x8) Bridging Adapters		129.95	127.35	122.15	114.36	97.46
ECHL2167	1.75" (4.4cm) Panel with 2-12 Way (8x8) Bridging Adapters		109.95	107.75	103.35	96.76	82.46

Wiring Diagram for RJ12 Bridging Adapter



Wiring Diagram for RJ45 Bridging Adapter

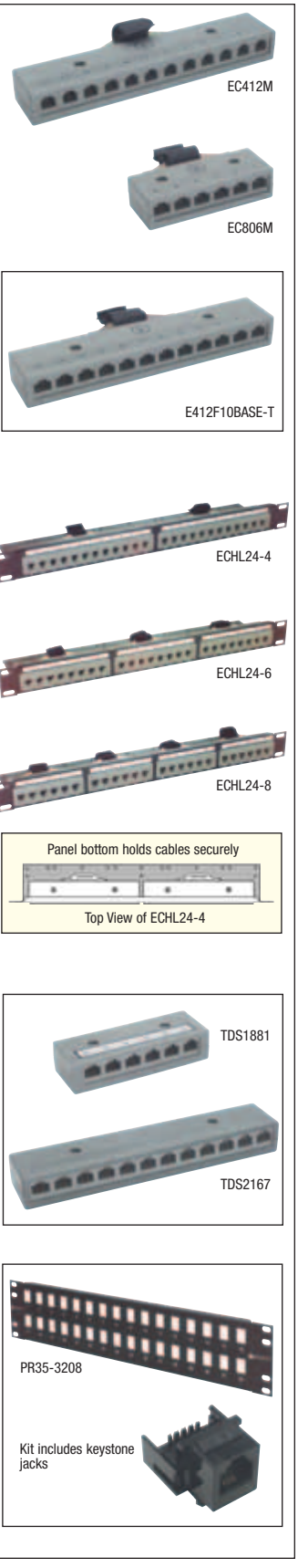


Item #	Description	List Price

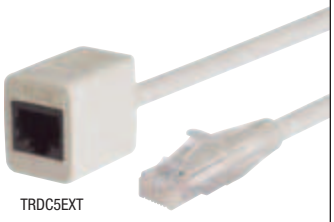
Voice Grade Keystone Jack and Panel Kit Assortment - At Significant Savings

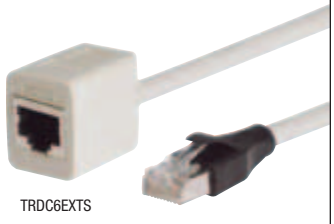
These kits include a pre-punched 19" (48.3cm) rack panel and appropriate number of keystone jacks to complete the assembly. Keystone jacks use insulation displacement contacts and each connector has 30 microinches of gold on jack mating surfaces. Panel color is Black. Keystone jacks are also available separately on pages 54-55.

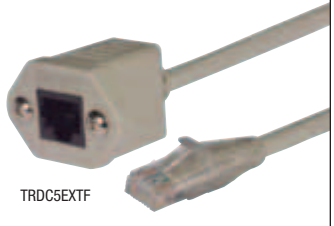
PR175-1606	1.75" (4.4cm) x 19" (48.3cm) Panel Kit with 16 RJ12 (6x6) Keystone Jacks	59.00
PR35-3206	3.50" (48.3cm) x 19" (48.3cm) Panel Kit with 32 RJ12 (6x6) Keystone Jacks	79.00
PR175-1608	1.75" (4.4cm) x 19" (48.3cm) Panel Kit with 16 RJ45 (8x8) Keystone Jacks	114.98
PR35-3208	3.50" (48.3cm) x 19" (48.3cm) Panel Kit with 32 RJ45 (8x8) Keystone Jacks	149.98

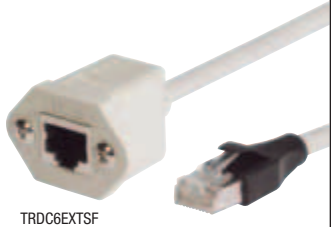


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TRDC5EXT


TRDC6EXTS


TRDC5EXTF


TRDC6EXTSF


TRDC500M-6S

Item #	Description	Length	1-9	10-24	25-99	100-249	250-499

Category 5e and 6 Network Extension Cables

L-com's unique network extension cables offer the perfect solution for extending an Ethernet network cable to the outside of an enclosure or by making a hard to reach port more accessible. Available in either Category 5e or Category 6, shielded or un-shielded, these cables are up to the task for your high demand data tasks. These extensions feature either a panel mountable flange or an inline flange-free design.

- Category 5e or Category 6 Network Extension Cables
- Available either with or without a panel mountable flange
- Choose either un-shielded (UTP) or Shielded (FTP)
- Feature L-com's unique snag-less molded plugs
- Standard lengths up to 25ft or call for custom options

Category 5e Non-Shielded Non-Flanged Extension Cables

TRDC5EXT-3	Category 5e RJ45 Extension Cable	3.0ft (0.9m)	13.52	12.44	11.36	10.28	9.19
TRDC5EXT-5	Category 5e RJ45 Extension Cable	5.0ft (1.5m)	14.40	13.25	12.10	10.94	9.79
TRDC5EXT-7	Category 5e RJ45 Extension Cable	7.0ft (2.1m)	16.40	15.09	13.78	12.46	11.15
TRDC5EXT-10	Category 5e RJ45 Extension Cable	10.0ft (3.0m)	16.68	15.35	14.01	12.68	11.34
TRDC5EXT-15	Category 5e RJ45 Extension Cable	15.0ft (4.6m)	18.84	17.33	15.83	14.32	12.81
TRDC5EXT-25	Category 5e RJ45 Extension Cable	25.0ft (7.6m)	22.88	21.05	19.22	17.39	15.56

Category 5e Shielded Non-Flanged Extension Cables

TRDC5EXTS-3	Category 5e RJ45 Shielded Extension Cable	3.0ft (0.9m)	16.16	14.87	13.57	12.28	10.99
TRDC5EXTS-5	Category 5e RJ45 Shielded Extension Cable	5.0ft (1.5m)	17.20	15.82	14.45	13.07	11.70
TRDC5EXTS-7	Category 5e RJ45 Shielded Extension Cable	7.0ft (2.1m)	19.40	17.85	16.30	14.74	13.19
TRDC5EXTS-10	Category 5e RJ45 Shielded Extension Cable	10.0ft (3.0m)	19.96	18.36	16.77	15.17	13.57
TRDC5EXTS-15	Category 5e RJ45 Shielded Extension Cable	15.0ft (4.6m)	22.60	20.79	18.98	17.18	15.37
TRDC5EXTS-25	Category 5e RJ45 Shielded Extension Cable	25.0ft (7.6m)	27.52	25.32	23.12	20.92	18.71

Category 6 Non-Shielded Non-Flanged Extension Cables

TRDC6EXT-3	Category 6 RJ45 Extension Cable	3.0ft (0.9m)	13.80	12.70	11.59	10.49	9.38
TRDC6EXT-5	Category 6 RJ45 Extension Cable	5.0ft (1.5m)	14.88	13.69	12.50	11.31	10.12
TRDC6EXT-7	Category 6 RJ45 Extension Cable	7.0ft (2.1m)	17.08	15.71	14.35	12.98	11.61
TRDC6EXT-10	Category 6 RJ45 Extension Cable	10.0ft (3.0m)	17.60	16.19	14.78	13.38	11.97
TRDC6EXT-15	Category 6 RJ45 Extension Cable	15.0ft (4.6m)	20.24	18.62	17.00	15.38	13.76
TRDC6EXT-25	Category 6 RJ45 Extension Cable	25.0ft (7.6m)	25.16	23.15	21.13	19.12	17.11

Category 6 Shielded Non-Flanged Extension Cables

TRDC6EXTS-3	Category 6 RJ45 Shielded Extension Cable	3.0ft (0.9m)	15.60	14.35	13.10	11.86	10.61
TRDC6EXTS-5	Category 6 RJ45 Shielded Extension Cable	5.0ft (1.5m)	16.88	15.53	14.18	12.83	11.48
TRDC6EXTS-7	Category 6 RJ45 Shielded Extension Cable	7.0ft (2.1m)	19.36	17.81	16.26	14.71	13.16
TRDC6EXTS-10	Category 6 RJ45 Shielded Extension Cable	10.0ft (3.0m)	20.24	18.62	17.00	15.38	13.76
TRDC6EXTS-15	Category 6 RJ45 Shielded Extension Cable	15.0ft (4.6m)	23.52	21.64	19.76	17.88	15.99
TRDC6EXTS-25	Category 6 RJ45 Shielded Extension Cable	25.0ft (7.6m)	29.60	27.23	24.86	22.50	20.13

Category 5e Non-Shielded Flanged Extension Cables

TRDC5EXTF-3	Category 5e RJ45 Extension Cable	3.0ft (0.9m)	14.84	13.65	12.47	11.28	10.09
TRDC5EXTF-5	Category 5e RJ45 Extension Cable	5.0ft (1.5m)	15.72	14.46	13.20	11.95	10.69
TRDC5EXTF-7	Category 5e RJ45 Extension Cable	7.0ft (2.1m)	17.72	16.30	14.88	13.47	12.05
TRDC5EXTF-10	Category 5e RJ45 Extension Cable	10.0ft (3.0m)	18.00	16.56	15.12	13.68	12.24
TRDC5EXTF-15	Category 5e RJ45 Extension Cable	15.0ft (4.6m)	20.16	18.55	16.93	15.32	13.71
TRDC5EXTF-25	Category 5e RJ45 Extension Cable	25.0ft (7.6m)	24.20	22.26	20.33	18.39	16.46

Category 5e Shielded Flanged Extension Cables

TRDC5EXTSF-3	Category 5e RJ45 Shielded Extension Cable	3.0ft (0.9m)	16.24	14.94	13.64	12.34	11.04
TRDC5EXTSF-5	Category 5e RJ45 Shielded Extension Cable	5.0ft (1.5m)	17.32	15.93	14.55	13.16	11.78
TRDC5EXTSF-7	Category 5e RJ45 Shielded Extension Cable	7.0ft (2.1m)	19.52	17.96	16.40	14.84	13.27
TRDC5EXTSF-10	Category 5e RJ45 Shielded Extension Cable	10.0ft (3.0m)	20.08	18.47	16.87	15.26	13.65
TRDC5EXTSF-15	Category 5e RJ45 Shielded Extension Cable	15.0ft (4.6m)	22.72	20.90	19.08	17.27	15.45
TRDC5EXTSF-25	Category 5e RJ45 Shielded Extension Cable	25.0ft (7.6m)	27.64	25.43	23.22	21.01	18.80

Category 6 Non-Shielded Flanged Extension Cables

TRDC6EXTF-3	Category 6 RJ45 Extension Cable	3.0ft (0.9m)	15.12	13.91	12.70	11.49	10.28
TRDC6EXTF-5	Category 6 RJ45 Extension Cable	5.0ft (1.5m)	16.20	14.90	13.61	12.31	11.02
TRDC6EXTF-7	Category 6 RJ45 Extension Cable	7.0ft (2.1m)	18.40	16.93	15.46	13.98	12.51
TRDC6EXTF-10	Category 6 RJ45 Extension Cable	10.0ft (3.0m)	18.92	17.41	15.89	14.38	12.87
TRDC6EXTF-15	Category 6 RJ45 Extension Cable	15.0ft (4.6m)	21.56	19.84	18.11	16.39	14.66
TRDC6EXTF-25	Category 6 RJ45 Extension Cable	25.0ft (7.6m)	26.48	24.36	22.24	20.12	18.01

Category 6 Shielded Flanged Extension Cables

TRDC6EXTSF-3	Category 6 RJ45 Shielded Extension Cable	3.0ft (0.9m)	16.64	15.31	13.98	12.65	11.32
TRDC6EXTSF-5	Category 6 RJ45 Shielded Extension Cable	5.0ft (1.5m)	17.92	16.49	15.05	13.62	12.19
TRDC6EXTSF-7	Category 6 RJ45 Shielded Extension Cable	7.0ft (2.1m)	20.40	18.77	17.14	15.50	13.87
TRDC6EXTSF-10	Category 6 RJ45 Shielded Extension Cable	10.0ft (3.0m)	21.28	19.58	17.88	16.17	14.47
TRDC6EXTSF-15	Category 6 RJ45 Shielded Extension Cable	15.0ft (4.6m)	24.56	22.60	20.63	18.67	16.70
TRDC6EXTSF-25	Category 6 RJ45 Shielded Extension Cable	25.0ft (7.6m)	30.68	28.23	25.77	23.32	20.86

Category 5 25-Pair Trunk Cables – Male 90-Degree Breakout for Ethernet

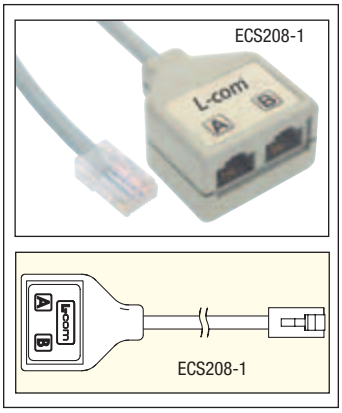
Breakout your 25-Pair Trunk lines to RJ45 style plugs for Ethernet. Available in a Category 5 rating, these cables simplify the process of connecting individual lines from or to a 25-pair Telco connection. One end features a standard RJ21 Telco connection and the other has twelve RJ45 style connectors. Custom lengths are available with modest minimums.

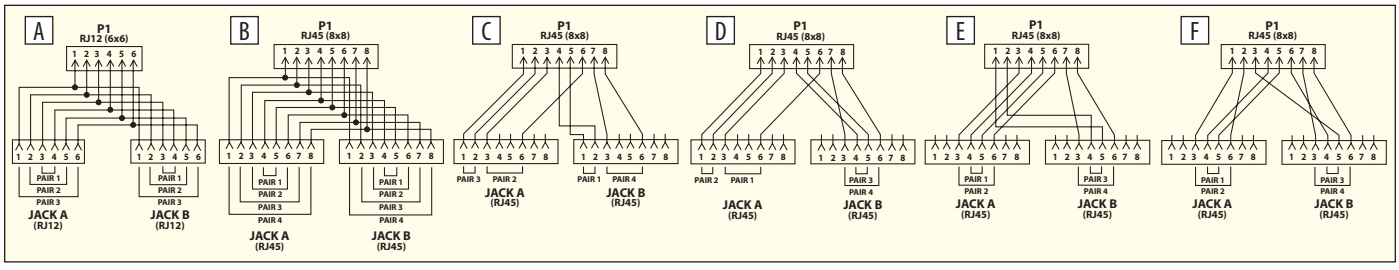
TRDC500M-3S	Cat5 Breakout Cable, Male Telco / 12 10Base-T (8x4)	3.0ft (0.9m)	58.60	55.08	51.57	CALL	CALL
TRDC500M-6S	Cat5 Breakout Cable, Male Telco / 12 10Base-T (8x4)	6.0ft (1.8m)	62.20	58.47	54.74	CALL	CALL
TRDC500M-10S	Cat5 Breakout Cable, Male Telco / 12 10Base-T (8x4)	10.0ft (3.0m)	67.00	62.98	58.96	CALL	CALL

L-com® Global Connectivity

Same day shipping
Orders placed before 4:00 EST ship the same day.

Item #	Description	Wiring	1-9	10-24	25-99	100-249
Modular Y Adapters - Allow Line Splitting Flexibility in Today's DataCom Networks						
Market demand for varied types of modular Y splitter cables has prompted this choice of six standard listings. The most popular types are stocked in one foot overall lengths. However, custom lengths are available. A dark, Gray molded box design style with all rounded edges is used as well as round U.T.P. Category 3 cable. All contact surfaces have 50 microinches gold plating. **Note:** Custom variations solicited to include: choice of modular jacks, any length of cable, different modular or DIN or other style plugs on cable. Minimum quantity of 250 may apply for most custom quotes.						
ECS203-1	Modular Y-Bridge, USOC-6 / USOC-6	A	7.95	7.31	6.68	6.04
ECS204-1	Modular Y-Bridge, USOC-8 / USOC-8	B	7.95	7.31	6.68	6.04
ECS205-1	Modular Y-Splitter, 10Base-T / 10Base-T	C	7.95	7.31	6.68	6.04
ECS206-1	Modular Y-Splitter, 10Base-T / Token Ring	D	7.95	7.31	6.68	6.04
ECS207-1	Modular Y-Splitter, Token Ring / Token Ring	E	7.95	7.31	6.68	6.04
ECS208-1	Modular Y-Splitter, Token Ring / Token Ring	F	7.95	7.31	6.68	6.04

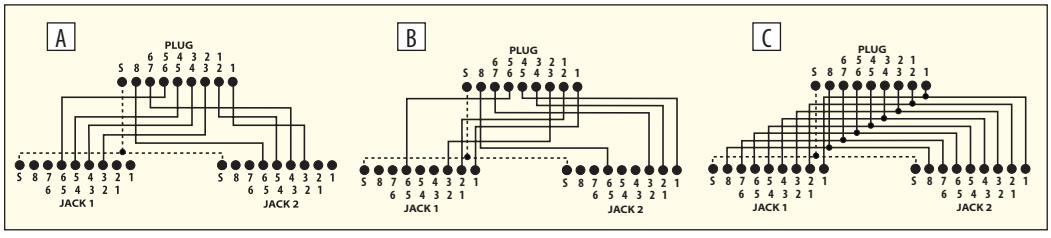


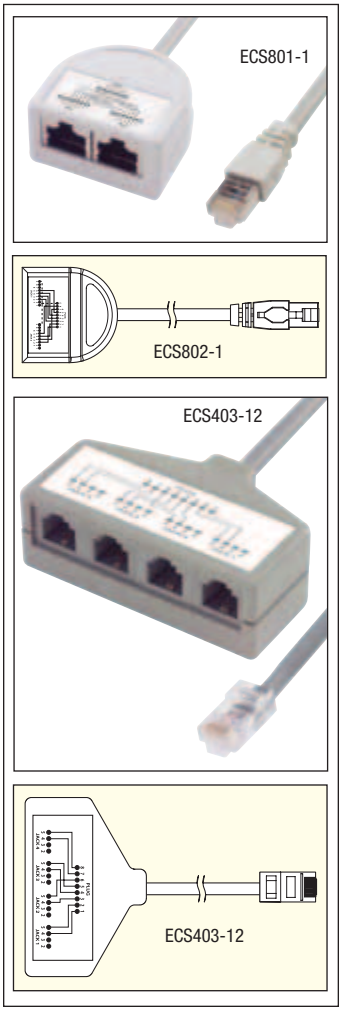


Shielded Modular 2-Way Splitters - Allow Multiple Uses of 4-Pair Cabling

This series is designed for use in environments where shielding protection is required. Features include: fully shielded PCB mounted jacks, RJ45 plugs with a 360 degree strain relief and a sturdy ABS housing. Three configurations in 12 inch lengths are offered. The bridging adapter combines all like numbered pins allowing devices to share a single interface. Two splitter versions are available configured for 10Base-T and Token Ring applications. Custom configurations will be considered with modest minimums. Please contact our Sales group for assistance.

ECS801-1	USOC Splitter, 8x8 Plug / 2 (8x4) Jacks	A	9.95	9.15	8.36	7.56
ECS802-1	TIA568 Splitter, 8x8 Plug / 2 10Base-T Jacks	B	9.95	9.15	8.36	7.56
ECS803-1	USOC Bridge, 8x8 Plug / 2 (8x8) Jacks	C	9.95	9.15	8.36	7.56

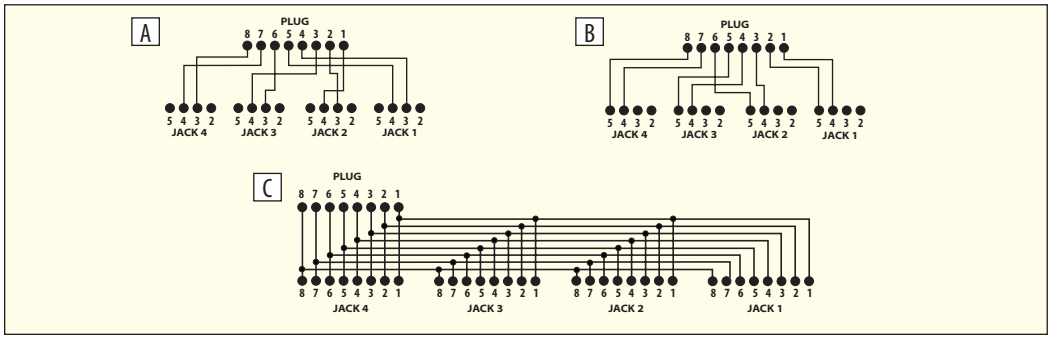




Modular 4-Way Splitters - Allow Multiple Uses of 4-Pair Cabling

This series allows users to take advantage of installed 4-pair to gain access to individual pairs or bridge multiple jacks. Four configurations in a 12 inch overall length are offered. The bridging adapter combines all like numbered pins allowing devices to share a single interface. The breakout models allow access to each individual pair at the 8x8 plug through four 6x2 or 8x2 jacks. Custom configurations will be considered with modest minimums. Please contact our Sales group for assistance.

ECS401-12	TIA568B Splitter, 8x8 Plug / 4 (6x2) Jacks	A	9.95	9.15	8.36	7.56
ECS403-12	TIA568 Splitter, 8x8 Plug / 4 (8x2) Jacks	B	9.95	9.15	8.36	7.56
ECS404-12	USOC Bridge, 8x8 Plug / 4 (8x8) Jacks	C	9.95	9.15	8.36	7.56

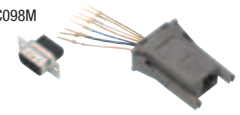


We want to help you!
See a complete list of free tips, tutorials and videos at L-com.com/Resources

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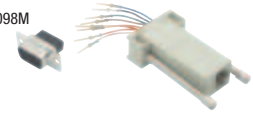
Premium Grade
50 microinches GOLD with thumbscrews

REC098M

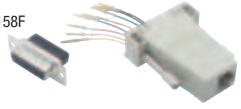


Deluxe Grade
30 microinches GOLD with thumbscrews

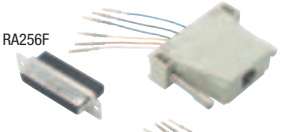
RA098M



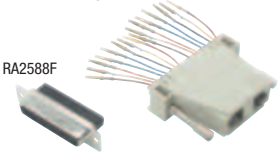
RA158F



RA256F

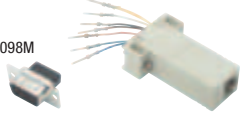


RA2588F

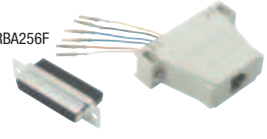


Deluxe Grade
30 microinches GOLD w/slotted screws

RBA098M

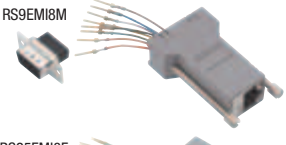


RBA256F



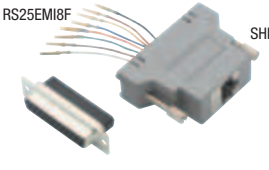
Deluxe Grade Shielded
30 microinches GOLD with thumbscrews

RS9EMI8M



RS25EMI8F

SHIELDED





TDT

TDTPRO

Item #	Description	1-9	10-24	25-99	100-249	250-499

Premium Modular Adapter Kits - Design Features Molded Knurled Hold Down Screws

The increased popularity of modular adapters prompted L-com to offer an off-the-shelf product that is a superior design featuring dark Gray 94V-0 plastic and 50 microinches of gold plating on the pins. L-com offers quotations for custom programming to fit your needs and with legends and/or logo, either molded-in or on labels for your application. TDT series insertion/extraction tools are necessary for programming.

REC096F	Modular Adapter, DB9 Female / RJ12 (6x6) Jack	6.49	5.97	5.45	4.93	4.41
REC096M	Modular Adapter, DB9 Male / RJ12 (6x6) Jack	6.49	5.97	5.45	4.93	4.41
REC096FD	Modular Adapter, DB9 Female / MMJ (6x6) Jack	6.99	6.43	5.87	5.31	4.75
REC098F	Modular Adapter, DB9 Female / RJ45 (8x8) Jack	6.99	6.43	5.87	5.31	4.75
REC098M	Modular Adapter, DB9 Male / RJ45 (8x8) Jack	6.99	6.43	5.87	5.31	4.75
REC256F	Modular Adapter, DB25 Female / RJ12 (6x6) Jack	7.49	6.89	6.29	5.69	5.09
REC256M	Modular Adapter, DB25 Male / RJ12 (6x6) Jack	7.49	6.89	6.29	5.69	5.09
REC258F	Modular Adapter, DB25 Female /RJ45 (8x8) Jack	7.49	6.89	6.29	5.69	5.09
REC258M	Modular Adapter, DB25 Male / RJ45 (8x8) Jack	7.49	6.89	6.29	5.69	5.09

Modular Adapter Kits With Long Thumbscrews, Mate with DB9, DB15 and DB25

With one-piece housing, the modular adapter kits offer users a simple way to prepare custom wired adapters in the field. Featuring 30 microinches gold plating on the contact pins and long metal thumbscrews. Each unit is programmable to your needs by simply inserting the prepared flying leads into the appropriate positions. TDT series insertion/extraction tools are necessary for programming.

RA096F	Modular Adapter, DB9 Female / RJ12 (6x6) Jack	6.29	5.91	5.54	5.16	4.78
RA096M	Modular Adapter, DB9 Male / RJ12 (6x6) Jack	6.29	5.91	5.54	5.16	4.78
RA098F	Modular Adapter, DB9 Female / RJ45 (8x8) Jack	6.29	5.91	5.54	5.16	4.78
RA098M	Modular Adapter, DB9 Male / RJ45 (8x8) Jack	6.29	5.91	5.54	5.16	4.78
RA158F	Modular Adapter, DB15 Female / RJ45 (8x8) Jack	6.49	6.10	5.71	5.32	4.93
RA158M	Modular Adapter, DB15 Male / RJ45 (8x8) Jack	6.49	6.10	5.71	5.32	4.93
RA256F	Modular Adapter, DB25 Female / RJ12 (6x6) Jack	6.99	6.57	6.15	5.73	5.31
RA256M	Modular Adapter, DB25 Male / RJ12 (6x6) Jack	6.99	6.57	6.15	5.73	5.31
RA258F	Modular Adapter, DB25 Female / RJ45 (8x8) Jack	6.99	6.57	6.15	5.73	5.31
RA258M	Modular Adapter, DB25 Male / RJ45 (8x8) Jack	6.99	6.57	6.15	5.73	5.31
RA2510F	Modular Adapter, DB25 Female / 10 Pin Modular Jack	6.99	6.57	6.15	5.73	5.31
RA2510M	Modular Adapter, DB25 Male / 10 Pin Modular Jack	6.99	6.57	6.15	5.73	5.31
RA2588F	Modular Adapter, DB25 Female / Dual RJ45 Modular Jack	9.99	9.39	8.79	8.19	7.59
RA2588M	Modular Adapter, DB25 Male / Dual RJ45 Modular Jack	9.99	9.39	8.79	8.19	7.59

Modular Adapter Kits - With Slotted Screws, Mate with DB9 and DB25

This series is identical to the RA Series except for the fact that the thumbscrew is replaced with a shorter screw head requiring a screwdriver for fastening to the system. A full range is provided which includes the DB9 and DB25 interface, available with RJ11/12 or RJ45 jacks. Modular contacts have 30 microinches of gold plating. TDT series insertion/extraction tools are necessary for programming.

RBA096F	Modular Adapter, DB9 Female / RJ12 (6x6) Jack	5.49	5.05	4.61	4.17	3.73
RBA096M	Modular Adapter, DB9 Male / RJ12 (6x6) Jack	5.49	5.05	4.61	4.17	3.73
RBA098F	Modular Adapter, DB9 Female / RJ45 (8x8) Jack	5.99	5.51	5.03	4.55	4.07
RBA098M	Modular Adapter, DB9 Male / RJ45 (8x8) Jack	5.99	5.51	5.03	4.55	4.07
RBA256F	Modular Adapter, DB25 Female / RJ12 (6x6) Jack	6.29	5.79	5.28	4.78	4.28
RBA256M	Modular Adapter, DB25 Male / RJ12 (6x6) Jack	6.29	5.79	5.28	4.78	4.28
RBA258F	Modular Adapter, DB25 Female / RJ45 (8x8) Jack	6.49	5.97	5.45	4.93	4.41
RBA258M	Modular Adapter, DB25 Male / RJ45 (8x8) Jack	6.49	5.97	5.45	4.93	4.41

Shielded Modular Adapter Kits - Feature Special Internal Design - EMI/RFI Shield

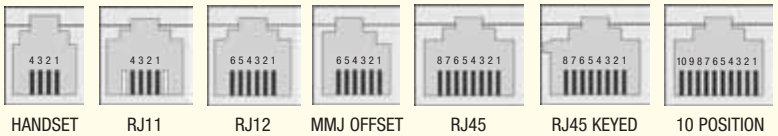
Similar in appearance and use to our standard RA Series but the similarity ends there. Built into the Gray plastic case assembly is an inner formed metal shield. This provides 100% EMI/RFI protection when used with the fully shielded modular plugs as listed on page 63. Modular contacts have 30 microinches of gold plating. This is our best adapter; guaranteed to provide the best shielding effectiveness. Mandatory for systems utilizing fully shielded cabling and shielded modular plugs. Use TDT series tools to insert/remove contacts. 4-40 hardware.

RS9EMI8F	Shielded Modular Adapter, DB9 Female / RJ45 (8x8) Jack	9.95	9.15	8.36	7.56	CALL
RS9EMI8M	Shielded Modular Adapter, DB9 Male / RJ45 (8x8) Jack	9.95	9.15	8.36	7.56	CALL
RS25EMI8F	Shielded Modular Adapter, DB25 Female / RJ45 (8x8) Jack	9.95	9.15	8.36	7.56	CALL
RS25EMI8M	Shielded Modular Adapter, DB25 Male / RJ45 (8x8) Jack	9.95	9.15	8.36	7.56	CALL

Insertion and Removal Tools For Crimp & Poke Type Contacts - Professional and Economy Versions

Two insertion/extraction tools are available for inserting contacts into D-Subs. Professional model is made for multiple insertions and is built on a larger, more ergonomic tool body. The economy version is also available when limited insertions are necessary.

TDT	Economy Contact Insertion/Extraction Tool	2.95	2.71	2.48	2.24	CALL
TDTPRO	Pro Contact Insertion/Extraction Tool	19.95	19.15	18.35	17.56	CALL



HANDSET 4x4 | RJ11 6x4 | RJ12 6x6 | MMJ OFFSET 6x6 | RJ45 8x8 | RJ45 KEYED 8x8 | 10 POSITION 10x10

Modular Jack Configuration

Jack
(Female Gender)

L-com Global Connectivity

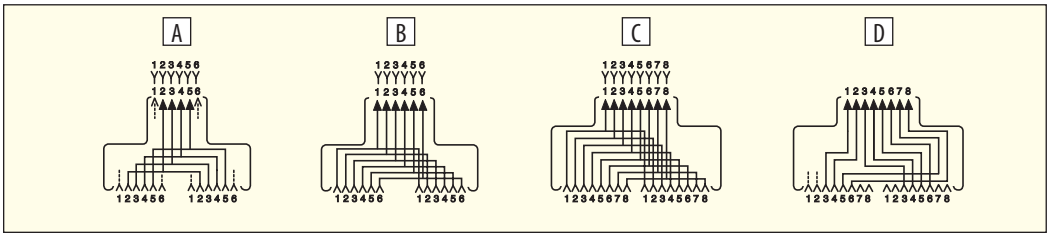
Customer Testimonials
Read why others choose L-com.
L-com.com/Testimonials

Item #	Description	Wiring	1-9	10-24	25-99	100-249	250-499

Modular TEE Adapters - The Most Practical Way to Tap Into Your Wiring Networks

All units have either 2, 3 or 4 RJ jacks mating to a male or female. Useful in daisy chain wiring, parallel phones or answering machines. It also is very useful in test environments where access to specific pins is required.

EC503-4	Modular TEE Adapter (6x4)M / (6x4)F / (6x4)F	A	3.95	3.63	3.32	3.00	CALL
EC503-6E	Modular TEE Adapter (6x6)M / (6x6)F / (6x6)F	B	3.95	3.63	3.32	3.00	CALL
EC503-8	Modular TEE Adapter (8x8)M / (8x8)KF / (8x8)KF	C	4.95	4.55	4.16	3.76	CALL
EC503-448	Modular TEE Splitter (8x8)M / (8x4)KF / (8x4)KF	D	4.95	4.55	4.16	3.76	CALL



Modular TEE Splitter - Allows Dual Telco Line to Separate into Two RJ11 Jacks

EC503-1703	Modular TEE Splitter (6x4)M / (6x2)F / (6x2)F	E	4.95	4.55	4.16	3.76	CALL

Modular Splitter Adapter - Allows Three RJ11/12 Circuits to be Parallel Connected

EC503-2134	Modular 1 to 3 Adapter (6x4)M / 3 (6x4)F	F	4.95	4.55	4.16	3.76	CALL
EC503-2136	Modular 1 to 3 Adapter (6x6)M / 3 (6x6)F	F	4.95	4.55	4.16	3.76	CALL

Modular TEE Junction - Three RJ11/12 or RJ45 Receptacles Accept Three Plugs

TDS1039-4C	Modular TEE Junction (6x4)F / (6x4)F, (6x4)F	A	3.95	3.63	3.32	3.00	CALL
TDS1039-6C	Modular TEE Junction (6x6)F / (6x6)F, (6x6)F	B	4.95	4.55	4.16	3.76	CALL
TDS1039-8C	Modular TEE Junction (8x8)F / (8x8)F, (8x8)F	C	5.29	4.87	4.44	4.02	CALL

Socket Saver Adapters - Extend the Life of Frequently Used Modular Jacks

Avoid costly repairs trying to replace modular jacks. Particularly useful with cable testers where jacks are in constant use. A small price to pay to assure maximum performance for the life of your equipment. Also available is the EC535D-10X 10Base-T crossover adapter. Attach this in series with any 10Base-T compatible patch cord and the 1-2 pair crosses to the 3-6 pair. This wiring is often necessary for stacking Ethernet hubs.

EC535AD	Modular Conversion Adapter (6x6)M / (8x6)KF	G	3.95	3.63	3.32	3.00	CALL
EC535A	Modular Socket Saver (6x6)M / (6x6)F	H	3.95	3.63	3.32	3.00	CALL
EC535D	Modular Socket Saver (8x8)M / (8x8)KF	J	3.95	3.63	3.32	3.00	CALL
EC535D-10X	Modular 10Base-T Crossover Adapter (8x4)M / (8x4)KF	K	3.95	3.63	3.32	3.00	CALL

Modular Couplers - Allow Mating of Cables Having Same Modular Termination

We offer a choice of wiring types, straight-thru for use in low speed data communication and crossed wiring for voice applications. This series has gold plated contact surfaces.

TDG1026-4R	Modular Coupler, RJ11 (6x4), Cross Wired	2.15	1.98	1.81	1.63	1.46
TDG1026-6R	Modular Coupler, RJ12 (6x6), Cross Wired	2.35	2.16	1.97	1.79	1.60
TDG1026-8R	Modular Coupler, RJ45 (8x8), Cross Wired	2.95	2.71	2.48	2.24	2.01
TDG1026-4C	Modular Coupler, RJ11 (6x4), Straight Wired	2.15	1.98	1.81	1.63	1.46
TDG1026-6C	Modular Coupler, RJ12 (6x6), Straight Wired	2.35	2.16	1.97	1.79	1.60
TDG1026-8C	Modular Coupler, RJ45 (8x8), Straight Wired	2.95	2.71	2.48	2.24	2.01
TDG1026-8CK	Modular Coupler, RJ45K (8x8), Straight, Keyed	3.15	2.90	2.65	2.39	2.14

Reverse Cable Adapter - A Handy Device To Have To Reverse Polarity (Cross Wiring)

TDC48R	Reverse Cable Adapter, RJ11 (6x4), Male / Female, 10"	2.65	2.44	2.23	2.01	1.80

Note: Longer lengths and modular connector types available on special orders

Telephone and Data 7 Ft Extension Cords - With Male and Female Modular Connectors

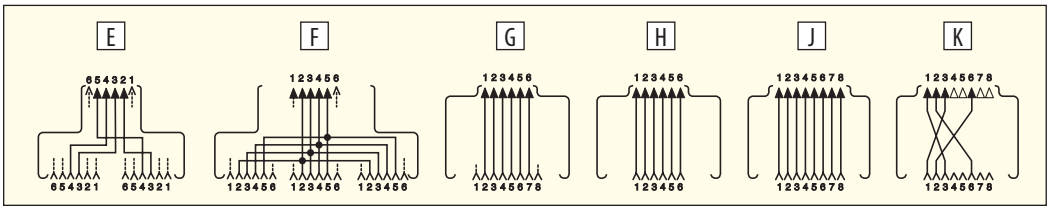
TAC535-4-7	7 ft Modular Extension Cord, Straight Wired, RJ11 (6x4)		4.49	4.13	3.77	3.41	CALL
TAC535-6-7	7 ft Modular Extension Cord, Straight Wired, RJ12 (6x6)	H	4.79	4.41	4.02	3.64	CALL
TAC535-8-7	7 ft Modular Extension Cord, Straight Wired, RJ45K (8x8), Keyed	J	4.99	4.59	4.19	3.79	CALL

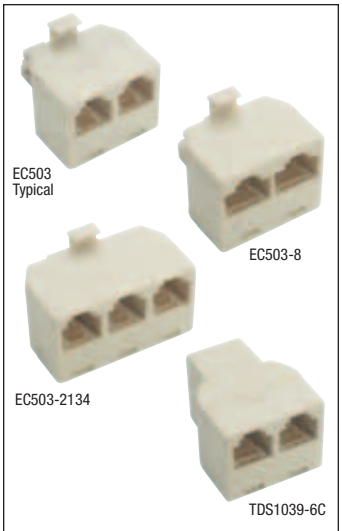
Note: 8x8 jacks are keyed. This series also available as Cross Wired. Custom wiring schemes considered.

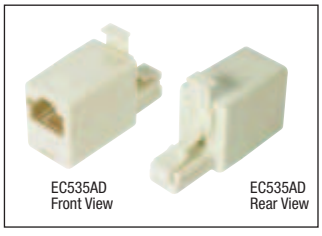
Modular Insert Adapters

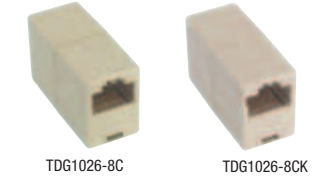
These adapters provide a simple way to allow smaller modular plugs to fit securely into a larger jack. Two types are available: an RJ11/12 plug into an RJ45 jack or an RJ22 style handset plug into an RJ11/12 size jack.

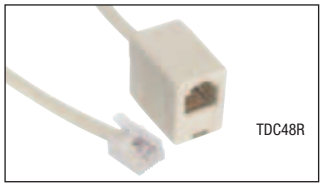
EC4X4A	Modular Insert Adapter, RJ22 Handset Plug into an RJ11/12 Jack, Pkg/10	2.99	2.81	2.63	2.45	CALL
EC8X8A	Modular Insert Adapter, RJ11/12 Plug into an RJ45 Jack, Pkg/10	2.99	2.75	2.51	2.27	CALL

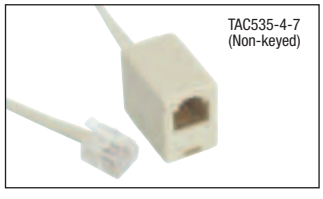


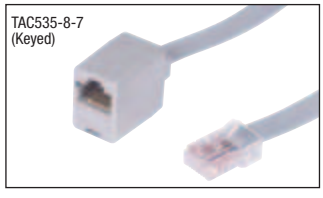


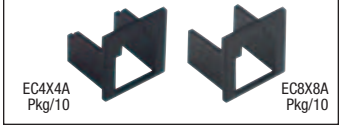














Helpful videos
How-to videos help with some of today's popular product applications. L-com.com/Tips

L-com Global Connectivity



Data Cabling Tutorial

What is D-Subminiature?

D-Subminiature products are connection products utilizing various D-Subminiature style interface types to transmit data signals.

How is D-Subminiature used?

D-Subminiature products are used to connect a data generating device such as a CPU (Central Processing Unit) to a data producing device such as a printer.

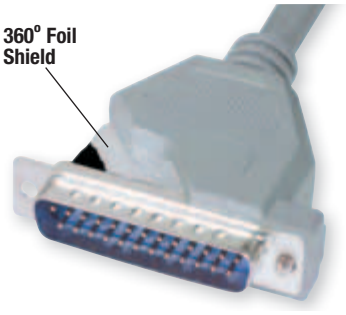
Where is D-Subminiature used?

D-Subminiature products are used in numerous data transmission applications found in office, industrial, home or testing environments.

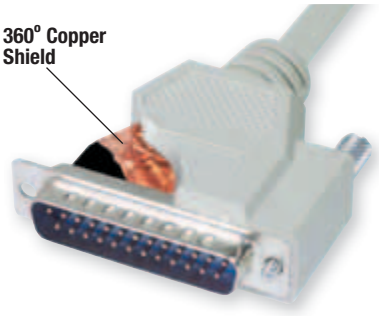
Poorly shielded cables can cause systems to fail EMI Certification

L-com's manufacturing process includes 360 degree shielding under the mold to insure full shielding from the bulk cable shield to the connector shell. Some competitors shortcut this process by just tack soldering the cable drain wire to the connector shell. In many applications this shortcut results in EMI leakage causing systems to fail testing.

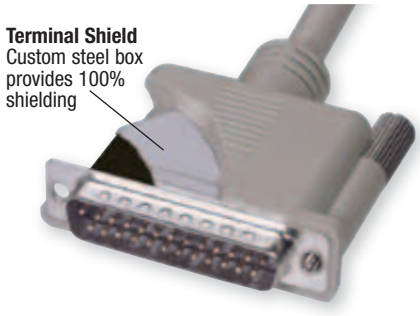
Economy Series



Deluxe Series

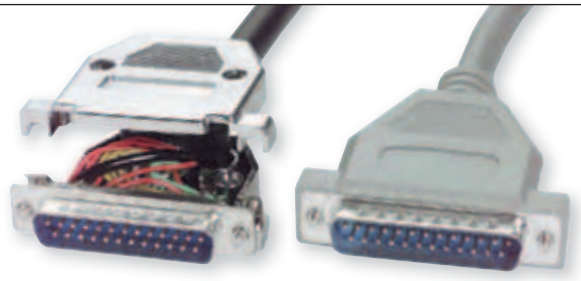


Premium Series



What is the difference between assembled and molded cable assemblies?

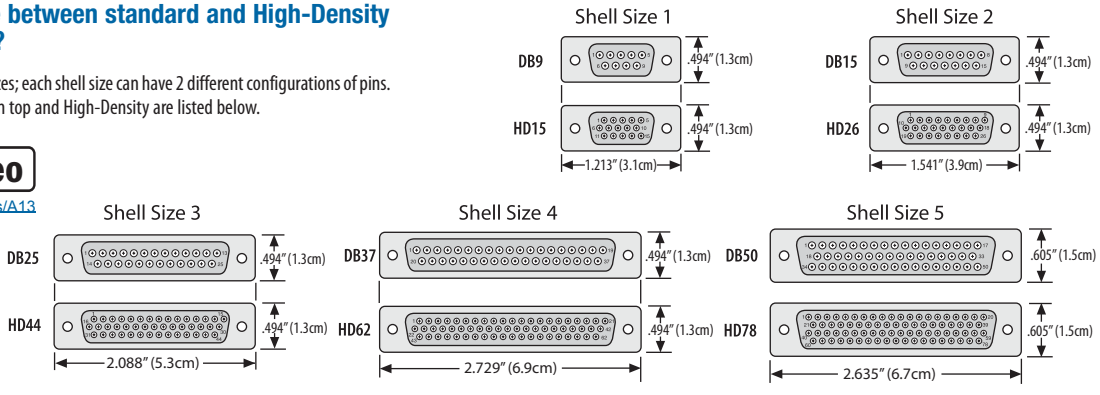
The difference between an assembled and molded cable assembly is in the construction of the backshell. An assembled backshell can be plastic (not shielded) or metal (shielded) and can be disassembled by removing hardware. On a molded cable assembly, the backshell is typically molded PVC that cannot be disassembled.



What is the difference between standard and High-Density D-Sub configurations?

The industry uses 5 different shell sizes; each shell size can have 2 different configurations of pins. Standard configurations are listed on top and High-Density are listed below.

Online Video
L-com.com/Videos/A13

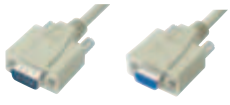
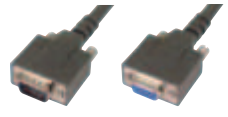


L-com Global Connectivity

For more useful information go to....
L-com.com/Resources

Tip *Selecting the right D-Sub Cable Assembly for your application.*

L-com takes pride in having the largest variety of D-Sub cables in the industry. The following selection guide is intended to assist you in selecting the right cable for your particular need.

Cable Series	Available Sizes	Available Connector Combinations	Color	Cable Shielding	Wire AWG	Distinguishing Characteristics	Photo
CSM	DB9, DB15, DB25, DB37	Male-Male, Male-Female	Gray	Foil/Mylar	26	Least expensive option Uses smaller, slotted screws instead of thumbscrews	
CSMN	DB9, DB15, DB25, DB37, DB50	Male-Male, Male-Female, Female-Female	Light Gray	Foil/Mylar *	26 *	Most similar to industry standard cables	
CSMNB	DB9, DB15, DB25	Male-Male, Male-Female	Black	Foil/Mylar	26	Black color for color matching black computer peripherals	
CS2N	DB9, HDB15, DB25, DB37, DB15	Male-Male, Male-Female	Light Gray	Foil/Mylar + Braid	26	Extra cable shielding and steel internal enclosure provides maximum protection from EMI/RFI corruption	
CS2NB	DB9, HDB15, DB25, DB15	Male-Male, Male-Female	Black	Foil/Mylar + Braid	26	Extra cable shielding and steel internal enclosure provides maximum protection from EMI/RFI corruption	
CRMN	DB9, DB15, DB25, DB37	Male-Male, Male-Female, Female-Female	Light Gray	Foil/Mylar	26	Reversible hardware feature allows cables to be directly panel mounted without the use of an adapter or any other component	
CSMUZ	DB9, DB15, DB25	Male-Male, Male-Female	Black	Foil/Mylar + Braid	24	Low Smoke Zero Halogen (LSZH) jacket and backshell material significantly reduce the amount of toxic and corrosive gases emitted during combustion. Extra cable shielding and steel internal enclosure provides maximum protection from EMI/RFI corruption	
CSNULL	DB9, DB25, DB25-DB9	Male-Female, Female-Female	Light Gray	Foil/Mylar	26	Data lines wired specifically to allow devices to communicate without the use of modems or other peripherals	
CMZ	DB25 Male-DB9 Female	Male-Female	Light Gray	Foil/Mylar	26	Wired specifically to connect an external modem (DB25) to a PC serial port (DB9)	
CHD	HDB15, HDB26, HDB44, HDB62, HDB78	Male-Male, Male-Female	Light Gray**	See below**	See below**	High density D-Sub connectors utilize more contacts than standard D-Sub connectors even though they use the same size connector shells	
CPMS	DB9, DB15, DB25	Male-Male, Male-Female	Dark Gray	Foil/Mylar + Braid	20	20 AWG conductors allow for maximum current throughput. Extra cable shielding provides maximum protection from EMI/RFI. Reversible hardware feature allows cables to be panel mounted without the use of an adapter or any other component.	

* Exception - CSMN50 is double shielded (foil/mylar + braid) with 28 AWG conductors

** CHD15 & CHD26 are foil/mylar shielded with 26 AWG conductors

CHD44 is double shielded (foil/mylar + braid) with 24 AWG conductors

CHD62 & CHD78 are double shielded (foil/mylar + braid) with 28 AWG conductors



Distinguishing between male and female D-Sub connectors

See the free video tip and more at

L-com.com/Videos/A14

L-com® Global Connectivity

Standard or Hi-Density D-Sub configurations

Online Video
L-com.com/Videos/A13

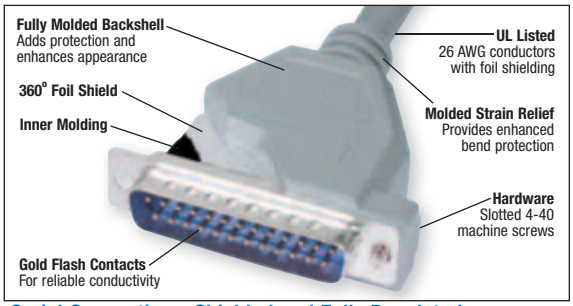


Item #	Description	1-9	10-24	25-99	100-249	250-499

Economy D-Sub Cable Assemblies - Fully Populated with 4-40 Hardware

The CSM Series of D-Sub cable assemblies offer solid performance at economical prices. All assemblies utilize 26 AWG stranded conductors with foil shielding for flexibility and performance. Backshells are fully molded for reliability in environments where flexing is an issue. Mating hardware is 4-40 machine screws. Hex nuts on female connectors are removable to expose 4-40 machine screws. Color: Gray.

- **More lengths available. Go to L-com.com**



Economy 9 Pin D-Sub Molded Cables - Common for Serial Connections, Shielded and Fully Populated

CSM9MM-1	Economy Molded Cable, DB9 Male / Male, 1.0ft (0.3m)	6.15	5.66	5.17	4.67	4.18
CSM9MM-2.5	Economy Molded Cable, DB9 Male / Male, 2.5ft (0.8m)	6.75	6.21	5.67	5.13	4.59
CSM9MM-5	Economy Molded Cable, DB9 Male / Male, 5.0ft (1.5m)	7.75	7.13	6.51	5.89	5.27
CSM9MM-10	Economy Molded Cable, DB9 Male / Male, 10.0ft (3.0m)	9.75	8.97	8.19	7.41	6.63
CSM9MM-25	Economy Molded Cable, DB9 Male / Male, 25.0ft (7.6m)	15.75	14.49	13.23	11.97	10.71
CSM9MF-1	Economy Molded Cable, DB9 Male / Female, 1.0ft (0.3m)	6.15	5.66	5.17	4.67	4.18
CSM9MF-2.5	Economy Molded Cable, DB9 Male / Female, 2.5ft (0.8m)	6.75	6.21	5.67	5.13	4.59
CSM9MF-5	Economy Molded Cable, DB9 Male / Female, 5.0ft (1.5m)	7.75	7.13	6.51	5.89	5.27
CSM9MF-10	Economy Molded Cable, DB9 Male / Female, 10.0ft (3.0m)	9.75	8.97	8.19	7.41	6.63
CSM9MF-15	Economy Molded Cable, DB9 Male / Female, 15.0ft (4.6m)	11.75	10.81	9.87	8.93	7.99
CSM9MF-25	Economy Molded Cable, DB9 Male / Female, 25.0ft (7.6m)	15.75	14.49	13.23	11.97	10.71
CSM9MF-50	Economy Molded Cable, DB9 Male / Female, 50.0ft (15.2m)	25.75	23.69	21.63	19.57	17.51

Economy 15 Pin D-Sub Molded Cables - For Various Applications, Shielded and Fully Populated

CSM15MM-1	Economy Molded Cable, DB15 Male / Male, 1.0ft (0.3m)	7.25	6.81	6.38	5.95	5.51
CSM15MM-2.5	Economy Molded Cable, DB15 Male / Male, 2.5ft (0.8m)	8.00	7.52	7.04	6.56	6.08
CSM15MM-5	Economy Molded Cable, DB15 Male / Male, 5.0ft (1.5m)	9.25	8.70	8.14	7.59	7.03
CSM15MM-10	Economy Molded Cable, DB15 Male / Male, 10.0ft (3.0m)	11.75	11.04	10.34	9.64	8.93
CSM15MM-25	Economy Molded Cable, DB15 Male / Male, 25.0ft (7.6m)	19.25	18.09	16.94	15.79	14.63
CSM15MF-1	Economy Molded Cable, DB15 Male / Female, 1.0ft (0.3m)	7.25	6.81	6.38	5.95	5.51
CSM15MF-2.5	Economy Molded Cable, DB15 Male / Female, 2.5ft (0.8m)	8.00	7.52	7.04	6.56	6.08
CSM15MF-5	Economy Molded Cable, DB15 Male / Female, 5.0ft (1.5m)	9.25	8.70	8.14	7.59	7.03
CSM15MF-10	Economy Molded Cable, DB15 Male / Female, 10.0ft (3.0m)	11.75	11.04	10.34	9.64	8.93
CSM15MF-15	Economy Molded Cable, DB15 Male / Female, 15.0ft (4.6m)	14.25	13.39	12.54	11.69	10.83
CSM15MF-50	Economy Molded Cable, DB15 Male / Female, 50.0ft (15.2m)	31.75	29.84	27.94	26.04	24.13

Economy 25 Pin D-Sub Molded Cables - Shielded and Fully Populated

CSM25MM-1	Economy Molded Cable, DB25 Male / Male, 1.0ft (0.3m)	7.40	6.81	6.22	5.62	5.03
CSM25MM-2.5	Economy Molded Cable, DB25 Male / Male, 2.5ft (0.8m)	8.00	7.36	6.72	6.08	5.44
CSM25MM-5	Economy Molded Cable, DB25 Male / Male, 5.0ft (1.5m)	9.00	8.28	7.56	6.84	6.12
CSM25MM-10	Economy Molded Cable, DB25 Male / Male, 10.0ft (3.0m)	11.00	10.12	9.24	8.36	7.48
CSM25MM-25	Economy Molded Cable, DB25 Male / Male, 25.0ft (7.6m)	17.00	15.64	14.28	12.92	11.56
CSM25MF-1	Economy Molded Cable, DB25 Male / Female, 1.0ft (0.3m)	7.40	6.81	6.22	5.62	5.03
CSM25MF-2.5	Economy Molded Cable, DB25 Male / Female, 2.5ft (0.8m)	8.00	7.36	6.72	6.08	5.44
CSM25MF-5	Economy Molded Cable, DB25 Male / Female, 5.0ft (1.5m)	9.00	8.28	7.56	6.84	6.12
CSM25MF-10	Economy Molded Cable, DB25 Male / Female, 10.0ft (3.0m)	11.00	10.12	9.24	8.36	7.48
CSM25MF-25	Economy Molded Cable, DB25 Male / Female, 25.0ft (7.6m)	17.00	15.64	14.28	12.92	11.56
CSM25MF-50	Economy Molded Cable, DB25 Male / Female, 50.0ft (15.2m)	27.00	24.84	22.68	20.52	18.36

Economy 37 Pin D-Sub Molded Cables - Shielded and Fully Populated

CSM37MM-1	Economy Molded Cable, DB37 Male / Male, 1.0ft (0.3m)	23.50	22.09	20.68	19.27	17.86
CSM37MM-2.5	Economy Molded Cable, DB37 Male / Male, 2.5ft (0.8m)	25.00	23.50	22.00	20.50	19.00
CSM37MM-5	Economy Molded Cable, DB37 Male / Male, 5.0ft (1.5m)	27.50	25.85	24.20	22.55	20.90
CSM37MM-10	Economy Molded Cable, DB37 Male / Male, 10.0ft (3.0m)	32.50	30.55	28.60	26.65	24.70
CSM37MF-1	Economy Molded Cable, DB37 Male / Female, 1.0ft (0.3m)	23.50	22.09	20.68	19.27	17.86
CSM37MF-2.5	Economy Molded Cable, DB37 Male / Female, 2.5ft (0.8m)	25.00	23.50	22.00	20.50	19.00
CSM37MF-5	Economy Molded Cable, DB37 Male / Female, 5.0ft (1.5m)	27.50	25.85	24.20	22.55	20.90
CSM37MF-10	Economy Molded Cable, DB37 Male / Female, 10.0ft (3.0m)	32.50	30.55	28.60	26.65	24.70
CSM37MF-25	Economy Molded Cable, DB37 Male / Female, 25.0ft (7.6m)	47.50	44.65	41.80	38.95	36.10

Replacement 4-40 Screws for CSM Series Assemblies - Sold in 10/Packs

TS-CSM	Replacement Screws for CSM Series Assemblies, Pkg/10	3.30	3.10	2.90	2.71	2.51

Tip

Copper wire current carrying capacity

Current carrying capacity is the maximum number of amperes (amps) that can flow through a conductor before it breaks down. Many factors determine actual current carrying capacity including conductor size, temperature, number of bundled conductors, air flow and insulation material and thickness. Therefore, this chart should only be used as a general guideline to determine actual performance.

Note: Figures based on 30°C ambient temperature
Units are measured in Amps
x = Current reduction factor
Reduction factors apply when conductors are bundled

INSULATION MATERIAL	WIRE SIZE						
	30 AWG	28 AWG	26 AWG	24 AWG	22 AWG	20 AWG	18 AWG
PVC - Standard Data Cables	2x	3x	4x	6x	8x	10x	15x
Polyethylene - Low Smoke, Zero Halogen Cable	3x	4x	5x	7x	9x	12x	17x
Halar - Plenum, High Temperature Data Cable	3x	5x	6x	8x	11x	14x	20x

# Bundled Conductors	Reduction Factor (x)
2-5	0.8
6-15	0.7
16-30	0.5

Example:
Q: What is the estimated current capacity for L-com data cable CSMN9MM-10?
A: The important factors are:
1) 26 AWG conductors, 2) PVC Insulation, 3) 9 Conductors.
The current rating is: [4x(x=0.7)] = 2.8 Amps per conductor.

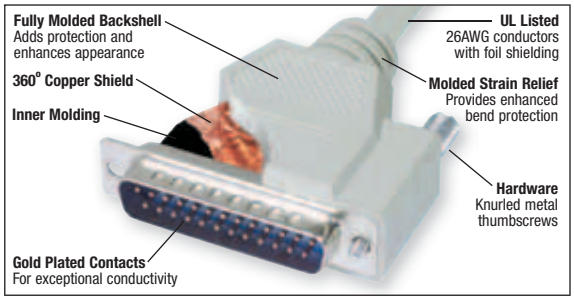
L-com Global Connectivity

Customer Testimonials
Read why others choose L-com.
L-com.com/Testimonials

Deluxe D-Sub Cable Assemblies - Fully Populated with 4-40 Thumbscrews

The CSMN Series of D-Sub cable assemblies is our middle of the line offering excellent performance and lower pricing. All assemblies utilize 26AWG stranded conductors with foil shielding for flexibility and performance. Backshells are fully molded with copper shielding for better immunity to outside noise. Mating hardware is 4-40 thumbscrews which makes securing without tools quick and easy. Hex nuts on female connectors are removable to expose 4-40 thumbscrews. **Note:** 50 pin assemblies use 28AWG twisted pairs due to space constraints in backshell molding. Color: Light Gray.

- **More lengths available. Go to L-com.com**
- **Female / Female in DB9, DB15 and DB25**



Deluxe 9 Pin D-Sub Molded Cables with Thumbscrews - Shielded and Fully Populated

Item #	Description	1-9	10-24	25-99	100-249	250-499
CSMN9MM-1	Deluxe Molded Cable, DB9 Male / Male, 1.0ft (0.3m)	6.75	6.21	5.67	5.13	4.59
CSMN9MM-2.5	Deluxe Molded Cable, DB9 Male / Male, 2.5ft (0.8m)	7.50	6.90	6.30	5.70	5.10
CSMN9MM-5	Deluxe Molded Cable, DB9 Male / Male, 5.0ft (1.5m)	8.75	8.05	7.35	6.65	5.95
CSMN9MM-10	Deluxe Molded Cable, DB9 Male / Male, 10.0ft (3.0m)	11.25	10.35	9.45	8.55	7.65
CSMN9MM-15	Deluxe Molded Cable, DB9 Male / Male, 15.0ft (4.6m)	13.75	12.65	11.55	10.45	9.35
CSMN9MM-25	Deluxe Molded Cable, DB9 Male / Male, 25.0ft (7.6m)	18.75	17.25	15.75	14.25	12.75
CSMN9MM-125	Deluxe Molded Cable, DB9 Male / Male, 125.0ft (38.1m)	68.75	63.25	57.75	52.25	46.75
CSMN9MF-1	Deluxe Molded Cable, DB9 Male / Female, 1.0ft (0.3m)	6.75	6.21	5.67	5.13	4.59
CSMN9MF-2.5	Deluxe Molded Cable, DB9 Male / Female, 2.5ft (0.8m)	7.50	6.90	6.30	5.70	5.10
CSMN9MF-5	Deluxe Molded Cable, DB9 Male / Female, 5.0ft (1.5m)	8.75	8.05	7.35	6.65	5.95
CSMN9MF-10	Deluxe Molded Cable, DB9 Male / Female, 10.0ft (3.0m)	11.25	10.35	9.45	8.55	7.65
CSMN9MF-15	Deluxe Molded Cable, DB9 Male / Female, 15.0ft (4.6m)	13.75	12.65	11.55	10.45	9.35
CSMN9MF-25	Deluxe Molded Cable, DB9 Male / Female, 25.0ft (7.6m)	18.75	17.25	15.75	14.25	12.75
CSMN9FF-1	Deluxe Molded Cable, DB9 Female / Female, 1.0ft (0.3m)	6.75	6.21	5.67	5.13	4.59
CSMN9FF-2.5	Deluxe Molded Cable, DB9 Female / Female, 2.5ft (0.8m)	7.50	6.90	6.30	5.70	5.10
CSMN9FF-5	Deluxe Molded Cable, DB9 Female / Female, 5.0ft (1.5m)	8.75	8.05	7.35	6.65	5.95
CSMN9FF-10	Deluxe Molded Cable, DB9 Female / Female, 10.0ft (3.0m)	11.25	10.35	9.45	8.55	7.65
CSMN9FF-15	Deluxe Molded Cable, DB9 Female / Female, 15.0ft (4.6m)	13.75	12.65	11.55	10.45	9.35
CSMN9FF-25	Deluxe Molded Cable, DB9 Female / Female, 25.0ft (7.6m)	18.75	17.25	15.75	14.25	12.75
CSMN9FF-50	Deluxe Molded Cable, DB9 Female / Female, 50.0ft (15.2m)	31.25	28.75	26.25	23.75	21.25

Deluxe 15 Pin D-Sub Molded Cables with Thumbscrews - Shielded and Fully Populated

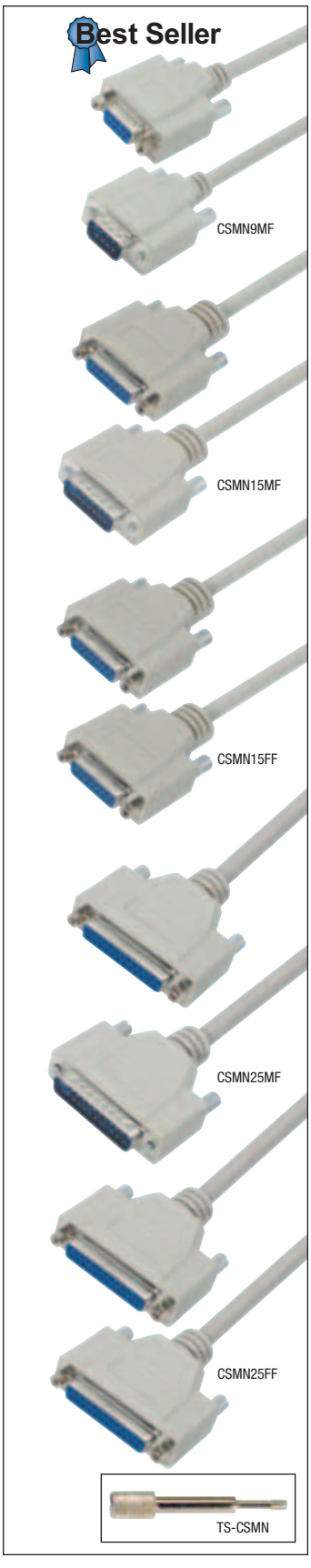
CSMN15MM-1	Deluxe Molded Cable, DB15 Male / Male, 1.0ft (0.3m)	10.35	9.73	9.11	8.49	7.87
CSMN15MM-2.5	Deluxe Molded Cable, DB15 Male / Male, 2.5ft (0.8m)	11.25	10.57	9.90	9.23	8.55
CSMN15MM-5	Deluxe Molded Cable, DB15 Male / Male, 5.0ft (1.5m)	12.75	11.98	11.22	10.46	9.69
CSMN15MM-10	Deluxe Molded Cable, DB15 Male / Male, 10.0ft (3.0m)	15.75	14.80	13.86	12.92	11.97
CSMN15MM-15	Deluxe Molded Cable, DB15 Male / Male, 15.0ft (4.6m)	18.75	17.63	16.50	15.38	14.25
CSMN15MM-25	Deluxe Molded Cable, DB15 Male / Male, 25.0ft (7.6m)	24.75	23.26	21.78	20.30	18.81
CSMN15MM-50	Deluxe Molded Cable, DB15 Male / Male, 50.0ft (15.2m)	39.75	37.36	34.98	32.60	30.21
CSMN15MF-1	Deluxe Molded Cable, DB15 Male / Female, 1.0ft (0.3m)	10.35	9.73	9.11	8.49	7.87
CSMN15MF-2.5	Deluxe Molded Cable, DB15 Male / Female, 2.5ft (0.8m)	11.25	10.57	9.90	9.23	8.55
CSMN15MF-5	Deluxe Molded Cable, DB15 Male / Female, 5.0ft (1.5m)	12.75	11.98	11.22	10.46	9.69
CSMN15MF-10	Deluxe Molded Cable, DB15 Male / Female, 10.0ft (3.0m)	15.75	14.80	13.86	12.92	11.97
CSMN15MF-15	Deluxe Molded Cable, DB15 Male / Female, 15.0ft (4.6m)	18.75	17.63	16.50	15.38	14.25
CSMN15MF-25	Deluxe Molded Cable, DB15 Male / Female, 25.0ft (7.6m)	24.75	23.26	21.78	20.30	18.81
CSMN15MF-50	Deluxe Molded Cable, DB15 Male / Female, 50.0ft (15.2m)	39.75	37.36	34.98	32.60	30.21
CSMN15FF-1	Deluxe Molded Cable, DB15 Female / Female, 1.0ft (0.3m)	10.35	9.73	9.11	8.49	7.87
CSMN15FF-2.5	Deluxe Molded Cable, DB15 Female / Female, 2.5ft (0.8m)	11.25	10.57	9.90	9.23	8.55
CSMN15FF-5	Deluxe Molded Cable, DB15 Female / Female, 5.0ft (1.5m)	12.75	11.98	11.22	10.46	9.69
CSMN15FF-10	Deluxe Molded Cable, DB15 Female / Female, 10.0ft (3.0m)	15.75	14.80	13.86	12.92	11.97
CSMN15FF-15	Deluxe Molded Cable, DB15 Female / Female, 15.0ft (4.6m)	18.75	17.63	16.50	15.38	14.25
CSMN15FF-25	Deluxe Molded Cable, DB15 Female / Female, 25.0ft (7.6m)	24.75	23.26	21.78	20.30	18.81
CSMN15FF-50	Deluxe Molded Cable, DB15 Female / Female, 50.0ft (15.2m)	39.75	37.36	34.98	32.60	30.21

Deluxe 25 Pin D-Sub Molded Cables with Thumbscrews - Shielded and Fully Populated

CSMN25MM-1	Deluxe Molded Cable, DB25 Male / Male, 1.0ft (0.3m)	9.15	8.42	7.69	6.95	6.22
CSMN25MM-2.5	Deluxe Molded Cable, DB25 Male / Male, 2.5ft (0.8m)	9.75	8.97	8.19	7.41	6.63
CSMN25MM-5	Deluxe Molded Cable, DB25 Male / Male, 5.0ft (1.5m)	10.75	9.89	9.03	8.17	7.31
CSMN25MM-10	Deluxe Molded Cable, DB25 Male / Male, 10.0ft (3.0m)	12.75	11.73	10.71	9.69	8.67
CSMN25MM-15	Deluxe Molded Cable, DB25 Male / Male, 15.0ft (4.6m)	14.75	13.57	12.39	11.21	10.03
CSMN25MM-25	Deluxe Molded Cable, DB25 Male / Male, 25.0ft (7.6m)	18.75	17.25	15.75	14.25	12.75
CSMN25MM-125	Deluxe Molded Cable, DB25 Male / Male, 125.0ft (38.1m)	58.75	54.05	49.35	44.65	39.95
CSMN25MF-1	Deluxe Molded Cable, DB25 Male / Female, 1.0ft (0.3m)	9.15	8.42	7.69	6.95	6.22
CSMN25MF-2.5	Deluxe Molded Cable, DB25 Male / Female, 2.5ft (0.8m)	9.75	8.97	8.19	7.41	6.63
CSMN25MF-5	Deluxe Molded Cable, DB25 Male / Female, 5.0ft (1.5m)	10.75	9.89	9.03	8.17	7.31
CSMN25MF-10	Deluxe Molded Cable, DB25 Male / Female, 10.0ft (3.0m)	12.75	11.73	10.71	9.69	8.67
CSMN25MF-15	Deluxe Molded Cable, DB25 Male / Female, 15.0ft (4.6m)	14.75	13.57	12.39	11.21	10.03
CSMN25MF-25	Deluxe Molded Cable, DB25 Male / Female, 25.0ft (7.6m)	18.75	17.25	15.75	14.25	12.75
CSMN25MF-50	Deluxe Molded Cable, DB25 Male / Female, 50.0ft (15.2m)	28.75	26.45	24.15	21.85	19.55
CSMN25FF-1	Deluxe Molded Cable, DB25 Female / Female, 1.0ft (0.3m)	9.15	8.42	7.69	6.95	6.22
CSMN25FF-2.5	Deluxe Molded Cable, DB25 Female / Female, 2.5ft (0.8m)	9.75	8.97	8.19	7.41	6.63
CSMN25FF-5	Deluxe Molded Cable, DB25 Female / Female, 5.0ft (1.5m)	10.75	9.89	9.03	8.17	7.31
CSMN25FF-10	Deluxe Molded Cable, DB25 Female / Female, 10.0ft (3.0m)	12.75	11.73	10.71	9.69	8.67
CSMN25FF-15	Deluxe Molded Cable, DB25 Female / Female, 15.0ft (4.6m)	14.75	13.57	12.39	11.21	10.03
CSMN25FF-25	Deluxe Molded Cable, DB25 Female / Female, 25.0ft (7.6m)	18.75	17.25	15.75	14.25	12.75
CSMN25FF-50	Deluxe Molded Cable, DB25 Female / Female, 50.0ft (15.2m)	28.75	26.45	24.15	21.85	19.55

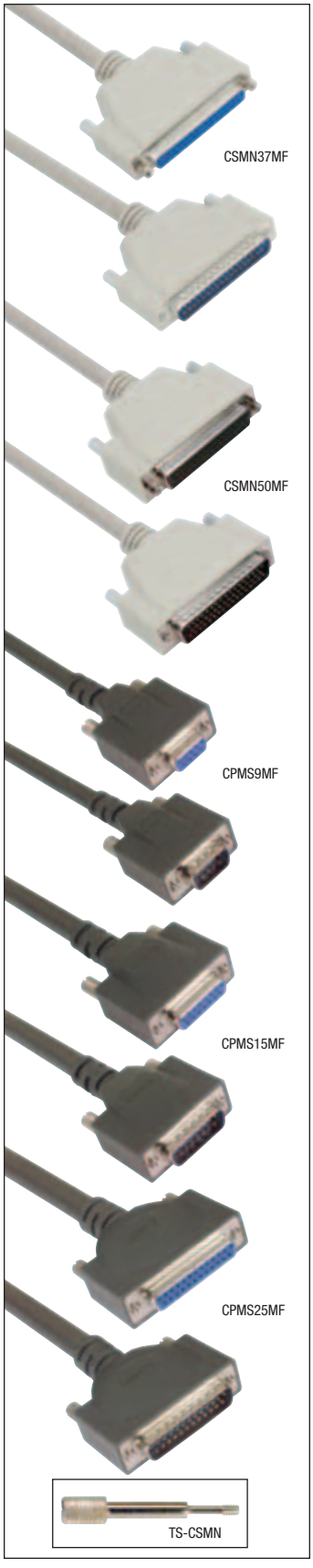
Replacement 4-40 Screws for CSMN Series Assemblies - Sold in 10/Packs

TS-CSMN	Replacement Screws for CSMN Series Assemblies, Pkg/10	4.10	3.85	3.61	3.36	3.12



Assembled vs molded D-Sub connectors
See the difference at L-com.com/BackshellConstruction

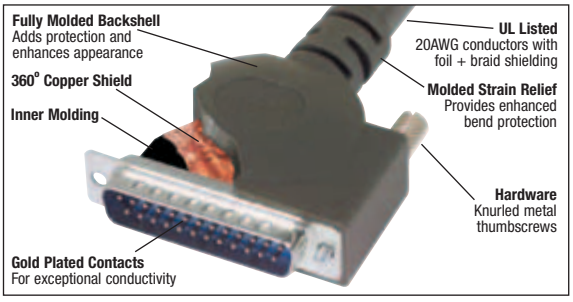
L-COM® Global Connectivity



Item #	Description	1-9	10-24	25-99	100-249	250-499
Deluxe 37 Pin D-Sub Molded Cables with Thumbscrews - Shielded and Fully Populated						
CSMN37MM-1	Deluxe Molded Cable, DB37 Male / Male, 1.0ft (0.3m)	26.00	24.44	22.88	21.32	19.76
CSMN37MM-2.5	Deluxe Molded Cable, DB37 Male / Male, 2.5ft (0.8m)	27.50	25.85	24.20	22.55	20.90
CSMN37MM-5	Deluxe Molded Cable, DB37 Male / Male, 5.0ft (1.5m)	30.00	28.20	26.40	24.60	22.80
CSMN37MM-10	Deluxe Molded Cable, DB37 Male / Male, 10.0ft (3.0m)	35.00	32.90	30.80	28.70	26.60
CSMN37MM-25	Deluxe Molded Cable, DB37 Male / Male, 25.0ft (7.6m)	50.00	47.00	44.00	41.00	38.00
CSMN37MM-50	Deluxe Molded Cable, DB37 Male / Male, 50.0ft (15.2m)	75.00	70.50	66.00	61.50	57.00
CSMN37MF-1	Deluxe Molded Cable, DB37 Male / Female, 1.0ft (0.3m)	26.00	24.44	22.88	21.32	19.76
CSMN37MF-2.5	Deluxe Molded Cable, DB37 Male / Female, 2.5ft (0.8m)	27.50	25.85	24.20	22.55	20.90
CSMN37MF-5	Deluxe Molded Cable, DB37 Male / Female, 5.0ft (1.5m)	30.00	28.20	26.40	24.60	22.80
CSMN37MF-10	Deluxe Molded Cable, DB37 Male / Female, 10.0ft (3.0m)	35.00	32.90	30.80	28.70	26.60
CSMN37MF-25	Deluxe Molded Cable, DB37 Male / Female, 25.0ft (7.6m)	50.00	47.00	44.00	41.00	38.00
CSMN37MF-50	Deluxe Molded Cable, DB37 Male / Female, 50.0ft (15.2m)	75.00	70.50	66.00	61.50	57.00
Deluxe 50 Pin D-Sub Molded Cables with Thumbscrews - Shielded and Fully Populated						
CSMN50MM-1	Deluxe Molded Cable, DB50 Male / Male, 1.0ft (0.3m)	47.00	44.18	41.36	38.54	35.72
CSMN50MM-2.5	Deluxe Molded Cable, DB50 Male / Male, 2.5ft (0.8m)	51.50	48.41	45.32	42.23	39.14
CSMN50MM-10	Deluxe Molded Cable, DB50 Male / Male, 10.0ft (3.0m)	74.00	69.56	65.12	60.68	56.24
CSMN50MM-25	Deluxe Molded Cable, DB50 Male / Male, 25.0ft (7.6m)	119.00	111.86	104.72	97.58	90.44
CSMN50MM-50	Deluxe Molded Cable, DB50 Male / Male, 50.0ft (15.2m)	194.00	182.36	170.72	159.08	147.44
CSMN50MF-1	Deluxe Molded Cable, DB50 Male / Female, 1.0ft (0.3m)	47.00	44.18	41.36	38.54	35.72
CSMN50MF-2.5	Deluxe Molded Cable, DB50 Male / Female, 2.5ft (0.8m)	51.50	48.41	45.32	42.23	39.14
CSMN50MF-10	Deluxe Molded Cable, DB50 Male / Female, 10.0ft (3.0m)	74.00	69.56	65.12	60.68	56.24
CSMN50MF-25	Deluxe Molded Cable, DB50 Male / Female, 25.0ft (7.6m)	119.00	111.86	104.72	97.58	90.44
CSMN50MF-50	Deluxe Molded Cable, DB50 Male / Female, 50.0ft (15.2m)	194.00	182.36	170.72	159.08	147.44
Replacement 4-40 Screws for CSMN Series Assemblies - Sold in 10/Packs						
TS-CSMN	Replacement Screws for CSMN Series Assemblies, Pkg/10	4.10	3.85	3.61	3.36	3.12

Heavy Duty D-Sub Cables - 20 AWG Conductors, Double Shielded

L-com's new, ground breaking D-Sub cables use 20 AWG conductors, the largest conductor most D-Sub connectors can accommodate. This allows for maximum current throughput as well as an extremely durable assembly. Other key features include double shielding to prevent against data corrupting EMI/RFI, threaded inserts allowing the cable to be panel mounted directly without use of an adapter, and straight through wiring to accommodate most applications. Standard lengths range from 1 to 50ft (0.3 to 15.2m) and custom lengths/pinouts are available with modest minimum requirements.



Item #	Description	1-9	10-24	25-99	100-249	250-499
Heavy Duty 9 Pin D-Sub Molded Cables with Thumbscrews - 20 AWG Conductors, Double Shielded						
CPMS9MM-1	Heavy Duty Molded Cable, DB9 Male / Male, 1.0ft (0.3m)	15.50	14.57	13.64	12.71	11.78
CPMS9MM-2.5	Heavy Duty Molded Cable, DB9 Male / Male, 2.5ft (0.8m)	18.15	17.06	15.97	14.88	13.79
CPMS9MM-5	Heavy Duty Molded Cable, DB9 Male / Male, 5.0ft (1.5m)	22.50	21.15	19.80	18.45	17.10
CPMS9MM-10	Heavy Duty Molded Cable, DB9 Male / Male, 10.0ft (3.0m)	31.25	29.38	27.50	25.63	23.75
CPMS9MM-25	Heavy Duty Molded Cable, DB9 Male / Male, 25.0ft (7.6m)	57.50	54.05	50.60	47.15	43.70
CPMS9MM-50	Heavy Duty Molded Cable, DB9 Male / Male, 50.0ft (15.2m)	101.25	95.17	89.10	83.03	76.95
CPMS9MF-1	Heavy Duty Molded Cable, DB9 Male / Female, 1.0ft (0.3m)	15.50	14.57	13.64	12.71	11.78
CPMS9MF-2.5	Heavy Duty Molded Cable, DB9 Male / Female, 2.5ft (0.8m)	18.15	17.06	15.97	14.88	13.79
CPMS9MF-5	Heavy Duty Molded Cable, DB9 Male / Female, 5.0ft (1.5m)	22.50	21.15	19.80	18.45	17.10
CPMS9MF-10	Heavy Duty Molded Cable, DB9 Male / Female, 10.0ft (3.0m)	31.25	29.38	27.50	25.63	23.75
CPMS9MF-25	Heavy Duty Molded Cable, DB9 Male / Female, 25.0ft (7.6m)	57.50	54.05	50.60	47.15	43.70
CPMS9MF-50	Heavy Duty Molded Cable, DB9 Male / Female, 50.0ft (15.2m)	101.25	95.17	89.10	83.03	76.95
Heavy Duty 15 Pin D-Sub Molded Cables with Thumbscrews - 20 AWG Conductors, Double Shielded						
CPMS15MM-1	Heavy Duty Molded Cable, DB15 Male / Male, 1.0ft (0.3m)	21.50	20.21	18.92	17.63	16.34
CPMS15MM-2.5	Heavy Duty Molded Cable, DB15 Male / Male, 2.5ft (0.8m)	25.65	24.11	22.57	21.03	19.49
CPMS15MM-5	Heavy Duty Molded Cable, DB15 Male / Male, 5.0ft (1.5m)	32.50	30.55	28.60	26.65	24.70
CPMS15MM-10	Heavy Duty Molded Cable, DB15 Male / Male, 10.0ft (3.0m)	46.25	43.47	40.70	37.93	35.15
CPMS15MM-25	Heavy Duty Molded Cable, DB15 Male / Male, 25.0ft (7.6m)	87.50	82.25	77.00	71.75	66.50
CPMS15MM-50	Heavy Duty Molded Cable, DB15 Male / Male, 50.0ft (15.2m)	156.25	146.88	137.50	128.13	118.75
CPMS15MF-1	Heavy Duty Molded Cable, DB15 Male / Female, 1.0ft (0.3m)	21.50	20.21	18.92	17.63	16.34
CPMS15MF-2.5	Heavy Duty Molded Cable, DB15 Male / Female, 2.5ft (0.8m)	25.65	24.11	22.57	21.03	19.49
CPMS15MF-5	Heavy Duty Molded Cable, DB15 Male / Female, 5.0ft (1.5m)	32.50	30.55	28.60	26.65	24.70
CPMS15MF-10	Heavy Duty Molded Cable, DB15 Male / Female, 10.0ft (3.0m)	46.25	43.47	40.70	37.93	35.15
CPMS15MF-25	Heavy Duty Molded Cable, DB15 Male / Female, 25.0ft (7.6m)	87.50	82.25	77.00	71.75	66.50
CPMS15MF-50	Heavy Duty Molded Cable, DB15 Male / Female, 50.0ft (15.2m)	156.25	146.88	137.50	128.13	118.75
Heavy Duty 25 Pin D-Sub Molded Cables with Thumbscrews - 20 AWG Conductors, Double Shielded						
CPMS25MM-1	Heavy Duty Molded Cable, DB25 Male / Male, 1.0ft (0.3m)	28.50	26.79	25.08	23.37	21.66
CPMS25MM-2.5	Heavy Duty Molded Cable, DB25 Male / Male, 2.5ft (0.8m)	35.65	33.51	31.37	29.23	27.09
CPMS25MM-5	Heavy Duty Molded Cable, DB25 Male / Male, 5.0ft (1.5m)	47.50	44.65	41.80	38.95	36.10
CPMS25MM-10	Heavy Duty Molded Cable, DB25 Male / Male, 10.0ft (3.0m)	71.25	66.97	62.70	58.43	54.15
CPMS25MM-25	Heavy Duty Molded Cable, DB25 Male / Male, 25.0ft (7.6m)	142.50	133.95	125.40	116.85	108.30
CPMS25MM-50	Heavy Duty Molded Cable, DB25 Male / Male, 50.0ft (15.2m)	261.25	245.57	229.90	214.23	198.55
CPMS25MF-1	Heavy Duty Molded Cable, DB25 Male / Female, 1.0ft (0.3m)	28.50	26.79	25.08	23.37	21.66
CPMS25MF-2.5	Heavy Duty Molded Cable, DB25 Male / Female, 2.5ft (0.8m)	35.65	33.51	31.37	29.23	27.09
CPMS25MF-5	Heavy Duty Molded Cable, DB25 Male / Female, 5.0ft (1.5m)	47.50	44.65	41.80	38.95	36.10
CPMS25MF-10	Heavy Duty Molded Cable, DB25 Male / Female, 10.0ft (3.0m)	71.25	66.97	62.70	58.43	54.15
CPMS25MF-25	Heavy Duty Molded Cable, DB25 Male / Female, 25.0ft (7.6m)	142.50	133.95	125.40	116.85	108.30
CPMS25MF-50	Heavy Duty Molded Cable, DB25 Male / Female, 50.0ft (15.2m)	261.25	245.57	229.90	214.23	198.55
Replacement 4-40 Screws for CPMS Series Assemblies - Sold in 10/Packs						
TS-CSMN	Replacement Screws for CPMS Series Assemblies, Pkg/10	4.10	3.85	3.61	3.36	3.12

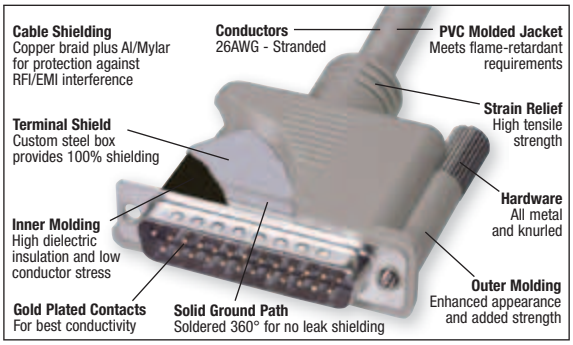
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Flammability and toxicity ratings of cable jackets
See the free video tip and more at
L-com.com/Videos/A20

Premium D-Sub Cable Assemblies - Fully Populated and Double Shielded

The CS2N Series of D-Sub cable assemblies is our top of the line D-Sub cabling offering. These cables offer the best features for those applications where only the best will do. The bulk cable utilizes 26AWG stranded conductors with double shielding (copper braid plus aluminum mylar foil) and flexible PVC jacket. Fully molded backshells also have a unique stamped steel internal enclosure that provides the ultimate in shielding performance. Mounting is done via rugged 4-40 thumbscrews that are easy to grip without the need for a screwdriver. Hex nuts on female connectors are removable to expose 4-40 thumbscrews. Color: Light Gray.

- **More lengths available. Go to L-com.com**



Premium 9 Pin D-Sub Cables - Molded, Fully Populated and Double Shielded

Item #	Description	1-9	10-24	25-99	100-249	250-499
CS2N9MM-1	Premium Molded Cable, DB9 Male / Male, 1.0ft (0.3m)	14.90	14.01	13.11	12.22	11.32
CS2N9MM-2.5	Premium Molded Cable, DB9 Male / Male, 2.5ft (0.8m)	16.25	15.27	14.30	13.33	12.35
CS2N9MM-6	Premium Molded Cable, DB9 Male / Male, 6.0ft (1.8m)	19.40	18.24	17.07	15.91	14.74
CS2N9MM-10	Premium Molded Cable, DB9 Male / Male, 10.0ft (3.0m)	23.00	21.62	20.24	18.86	17.48
CS2N9MM-15	Premium Molded Cable, DB9 Male / Male, 15.0ft (4.6m)	27.50	25.85	24.20	22.55	20.90
CS2N9MM-25	Premium Molded Cable, DB9 Male / Male, 25.0ft (7.6m)	36.50	34.31	32.12	29.93	27.74
CS2N9MM-50	Premium Molded Cable, DB9 Male / Male, 50.0ft (15.2m)	59.00	55.46	51.92	48.38	44.84
CS2N9MF-1	Premium Molded Cable, DB9 Male / Female, 1.0ft (0.3m)	14.90	14.01	13.11	12.22	11.32
CS2N9MF-2.5	Premium Molded Cable, DB9 Male / Female, 2.5ft (0.8m)	16.25	15.27	14.30	13.33	12.35
CS2N9MF-6	Premium Molded Cable, DB9 Male / Female, 6.0ft (1.8m)	19.40	18.24	17.07	15.91	14.74
CS2N9MF-10	Premium Molded Cable, DB9 Male / Female, 10.0ft (3.0m)	23.00	21.62	20.24	18.86	17.48
CS2N9MF-15	Premium Molded Cable, DB9 Male / Female, 15.0ft (4.6m)	27.50	25.85	24.20	22.55	20.90
CS2N9MF-25	Premium Molded Cable, DB9 Male / Female, 25.0ft (7.6m)	36.50	34.31	32.12	29.93	27.74
CS2N9MF-50	Premium Molded Cable, DB9 Male / Female, 50.0ft (15.2m)	59.00	55.46	51.92	48.38	44.84

Premium HD15 D-Sub Cables - Molded, Fully Populated and Double Shielded

CS2H15MM-1	Premium Molded Cable, HD15 Male / Male, 1.0ft (0.3m)	19.00	17.86	16.72	15.58	14.44
CS2H15MM-2.5	Premium Molded Cable, HD15 Male / Male, 2.5ft (0.8m)	20.50	19.27	18.04	16.81	15.58
CS2H15MM-5	Premium Molded Cable, HD15 Male / Male, 5.0ft (1.5m)	23.00	21.62	20.24	18.86	17.48
CS2H15MM-10	Premium Molded Cable, HD15 Male / Male, 10.0ft (3.0m)	28.00	26.32	24.64	22.96	21.28
CS2H15MM-25	Premium Molded Cable, HD15 Male / Male, 25.0ft (7.6m)	43.00	40.42	37.84	35.26	32.68
CS2H15MM-50	Premium Molded Cable, HD15 Male / Male, 50.0ft (15.2m)	68.00	63.92	59.84	55.76	51.68
CS2H15MF-1	Premium Molded Cable, HD15 Male / Female, 1.0ft (0.3m)	19.00	17.86	16.72	15.58	14.44
CS2H15MF-2.5	Premium Molded Cable, HD15 Male / Female, 2.5ft (0.8m)	20.50	19.27	18.04	16.81	15.58
CS2H15MF-5	Premium Molded Cable, HD15 Male / Female, 5.0ft (1.5m)	23.00	21.62	20.24	18.86	17.48
CS2H15MF-10	Premium Molded Cable, HD15 Male / Female, 10.0ft (3.0m)	28.00	26.32	24.64	22.96	21.28
CS2H15MF-25	Premium Molded Cable, HD15 Male / Female, 25.0ft (7.6m)	43.00	40.42	37.84	35.26	32.68
CS2H15MF-50	Premium Molded Cable, HD15 Male / Female, 50.0ft (15.2m)	68.00	63.92	59.84	55.76	51.68

Premium DB15 D-Sub Cables - Molded, Fully Populated and Double Shielded

CS2N15MM-1	Premium Molded Cable, DB15 Male / Male, 1.0ft (0.3m)	19.20	18.05	16.90	15.74	14.59
CS2N15MM-2.5	Premium Molded Cable, DB15 Male / Male, 2.5ft (0.8m)	20.40	19.18	17.95	16.73	15.50
CS2N15MM-5	Premium Molded Cable, DB15 Male / Male, 5.0ft (1.5m)	22.00	20.68	19.36	18.04	16.72
CS2N15MM-10	Premium Molded Cable, DB15 Male / Male, 10.0ft (3.0m)	25.50	23.97	22.44	20.91	19.38
CS2N15MM-25	Premium Molded Cable, DB15 Male / Male, 25.0ft (7.6m)	36.00	33.84	31.68	29.52	27.36
CS2N15MF-1	Premium Molded Cable, DB15 Male / Female, 1.0ft (0.3m)	19.20	18.05	16.90	15.74	14.59
CS2N15MF-2.5	Premium Molded Cable, DB15 Male / Female, 2.5ft (0.8m)	20.40	19.18	17.95	16.73	15.50
CS2N15MF-5	Premium Molded Cable, DB15 Male / Female, 5.0ft (1.5m)	22.00	20.68	19.36	18.04	16.72
CS2N15MF-10	Premium Molded Cable, DB15 Male / Female, 10.0ft (3.0m)	25.50	23.97	22.44	20.91	19.38
CS2N15MF-25	Premium Molded Cable, DB15 Male / Female, 25.0ft (7.6m)	36.00	33.84	31.68	29.52	27.36

Premium 25 Pin D-Sub Cables - Molded, Fully Populated and Double Shielded

CS2N25MM-1	Premium Molded Cable, DB25 Male / Male, 1.0ft (0.3m)	21.00	19.74	18.48	17.22	15.96
CS2N25MM-2.5	Premium Molded Cable, DB25 Male / Male, 2.5ft (0.8m)	22.50	21.15	19.80	18.45	17.10
CS2N25MM-5	Premium Molded Cable, DB25 Male / Male, 5.0ft (1.5m)	25.00	23.50	22.00	20.50	19.00
CS2N25MM-10	Premium Molded Cable, DB25 Male / Male, 10.0ft (3.0m)	30.00	28.20	26.40	24.60	22.80
CS2N25MM-25	Premium Molded Cable, DB25 Male / Male, 25.0ft (7.6m)	45.00	42.30	39.60	36.90	34.20
CS2N25MM-50	Premium Molded Cable, DB25 Male / Male, 50.0ft (15.2m)	70.00	65.80	61.60	57.40	53.20
CS2N25MF-1	Premium Molded Cable, DB25 Male / Female, 1.0ft (0.3m)	21.00	19.74	18.48	17.22	15.96
CS2N25MF-5	Premium Molded Cable, DB25 Male / Female, 5.0ft (1.5m)	25.00	23.50	22.00	20.50	19.00
CS2N25MF-10	Premium Molded Cable, DB25 Male / Female, 10.0ft (3.0m)	30.00	28.20	26.40	24.60	22.80
CS2N25MF-25	Premium Molded Cable, DB25 Male / Female, 25.0ft (7.6m)	45.00	42.30	39.60	36.90	34.20
CS2N25MF-50	Premium Molded Cable, DB25 Male / Female, 50.0ft (15.2m)	70.00	65.80	61.60	57.40	53.20

Premium 37 Pin D-Sub Cables - Molded, Fully Populated and Double Shielded

CS2N37MM-1	Premium Molded Cable, DB37 Male / Male, 1.0ft (0.3m)	36.50	34.31	32.12	29.93	27.74
CS2N37MM-2.5	Premium Molded Cable, DB37 Male / Male, 2.5ft (0.8m)	38.75	36.42	34.10	31.78	29.45
CS2N37MM-5	Premium Molded Cable, DB37 Male / Male, 5.0ft (1.5m)	42.50	39.95	37.40	34.85	32.30
CS2N37MM-10	Premium Molded Cable, DB37 Male / Male, 10.0ft (3.0m)	50.00	47.00	44.00	41.00	38.00
CS2N37MM-25	Premium Molded Cable, DB37 Male / Male, 25.0ft (7.6m)	72.50	68.15	63.80	59.45	55.10
CS2N37MF-1	Premium Molded Cable, DB37 Male / Female, 1.0ft (0.3m)	36.50	34.31	32.12	29.93	27.74
CS2N37MF-2.5	Premium Molded Cable, DB37 Male / Female, 2.5ft (0.8m)	38.75	36.42	34.10	31.78	29.45
CS2N37MF-5	Premium Molded Cable, DB37 Male / Female, 5.0ft (1.5m)	42.50	39.95	37.40	34.85	32.30
CS2N37MF-10	Premium Molded Cable, DB37 Male / Female, 10.0ft (3.0m)	50.00	47.00	44.00	41.00	38.00
CS2N37MF-25	Premium Molded Cable, DB37 Male / Female, 25.0ft (7.6m)	72.50	68.15	63.80	59.45	55.10

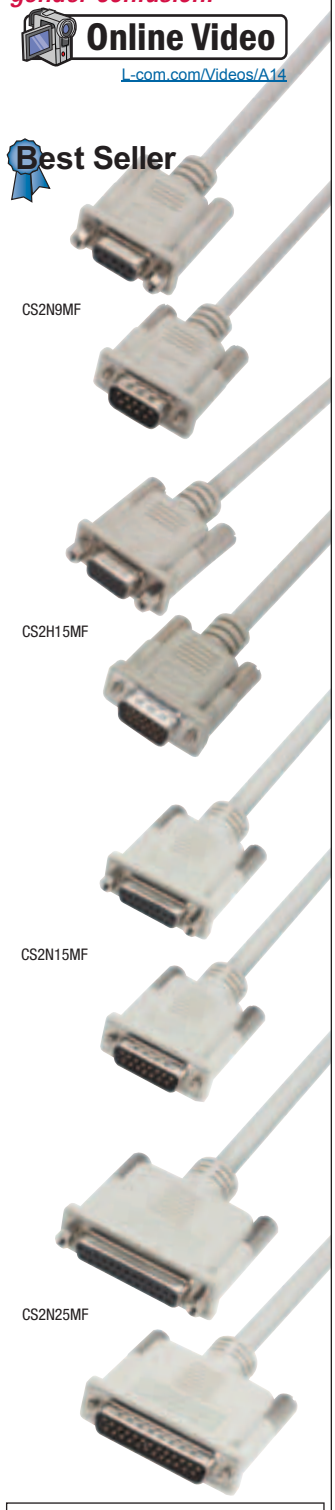
Replacement 4-40 Screws for CS2N and CS2H Series Assemblies - Sold in 10/Packs

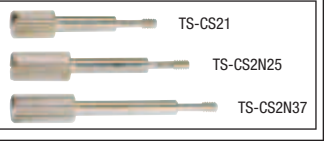
TS-CS21	Replacement Screws for CS2N9, CS2N15, CS2H15 Series Assemblies, Pkg/10	3.90	3.67	3.43	3.20	2.96
TS-CS2N25	Replacement Screws for CS2N25 Series Assemblies, Pkg/10	4.10	3.85	3.61	3.36	3.12
TS-CS2N37	Replacement Screws for CS2N37 Series Assemblies, Pkg/10	4.25	3.99	3.74	3.49	3.23

No more D-Sub connector gender confusion!

Online Video
L-com.com/Videos/A14

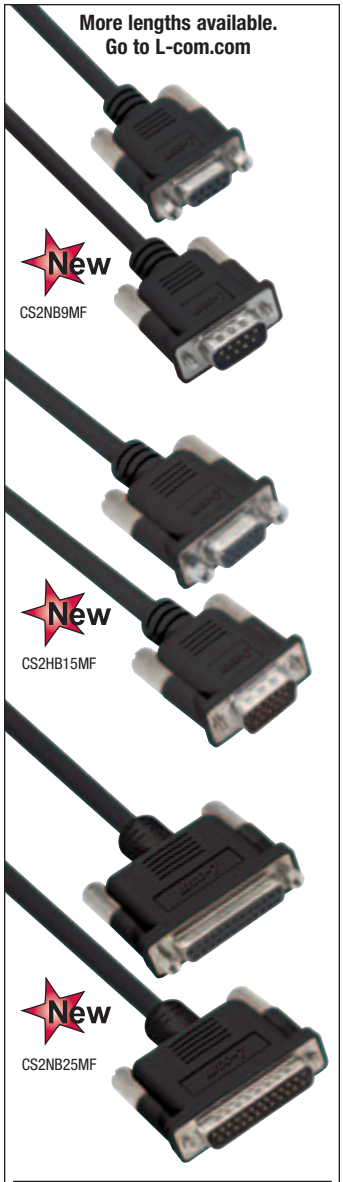
Best Seller

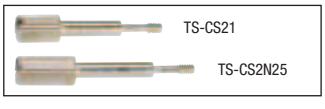


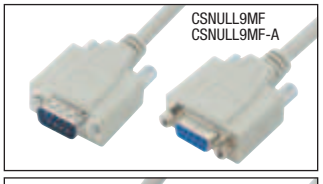


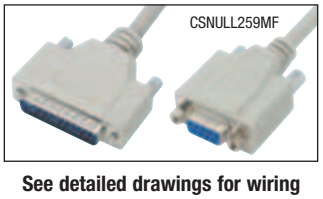
Distinguishing between male and female D-Sub connectors
See the free video tip and more at
L-com.com/Videos/A14

L-com Global Connectivity









See detailed drawings for wiring information at L-com.com

Item #	Description	1-9	10-24	25-99	100-249	250-499
Premium 9 Pin Black D-Sub Cables - Molded, Fully Populated and Double Shielded						
CS2NB9MM-1	Premium Molded Black Cable, DB9 Male / Male, 1.0ft (0.3m)	14.90	14.01	13.11	12.22	11.32
CS2NB9MM-2.5	Premium Molded Black Cable, DB9 Male / Male, 2.5ft (0.8m)	16.25	15.27	14.30	13.33	12.35
CS2NB9MM-5	Premium Molded Black Cable, DB9 Male / Male, 5.0ft (1.5m)	18.50	17.39	16.28	15.17	14.06
CS2NB9MM-10	Premium Molded Black Cable, DB9 Male / Male, 10.0ft (3.0m)	23.00	21.62	20.24	18.86	17.48
CS2NB9MM-15	Premium Molded Black Cable, DB9 Male / Male, 15.0ft (4.6m)	27.50	25.85	24.20	22.55	20.90
CS2NB9MM-25	Premium Molded Black Cable, DB9 Male / Male, 25.0ft (7.6m)	36.50	34.31	32.12	29.93	27.74
CS2NB9MM-50	Premium Molded Black Cable, DB9 Male / Male, 50.0ft (15.2m)	59.00	55.46	51.92	48.38	44.84
CS2NB9MF-1	Premium Molded Black Cable, DB9 Male / Female, 1.0ft (0.3m)	14.90	14.01	13.11	12.22	11.32
CS2NB9MF-2.5	Premium Molded Black Cable, DB9 Male / Female, 2.5ft (0.8m)	16.25	15.27	14.30	13.33	12.35
CS2NB9MF-5	Premium Molded Black Cable, DB9 Male / Female, 5.0ft (1.5m)	18.50	17.39	16.28	15.17	14.06
CS2NB9MF-10	Premium Molded Black Cable, DB9 Male / Female, 10.0ft (3.0m)	23.00	21.62	20.24	18.86	17.48
CS2NB9MF-25	Premium Molded Black Cable, DB9 Male / Female, 25.0ft (7.6m)	36.50	34.31	32.12	29.93	27.74
CS2NB9MF-50	Premium Molded Black Cable, DB9 Male / Female, 50.0ft (15.2m)	59.00	55.46	51.92	48.38	44.84
Premium HD15 Pin Black D-Sub Cables - Molded, Fully Populated and Double Shielded						
CS2HB15MM-1	Premium Molded Black Cable, HD15 Male / Male, 1.0ft (0.3m)	19.00	17.86	16.72	15.58	14.44
CS2HB15MM-2.5	Premium Molded Black Cable, HD15 Male / Male, 2.5ft (0.8m)	20.50	19.27	18.04	16.81	15.58
CS2HB15MM-5	Premium Molded Black Cable, HD15 Male / Male, 5.0ft (1.5m)	23.00	21.62	20.24	18.86	17.48
CS2HB15MM-10	Premium Molded Black Cable, HD15 Male / Male, 10.0ft (3.0m)	28.00	26.32	24.64	22.96	21.28
CS2HB15MM-15	Premium Molded Black Cable, HD15 Male / Male, 15.0ft (4.6m)	33.00	31.02	29.04	27.06	25.08
CS2HB15MM-25	Premium Molded Black Cable, HD15 Male / Male, 25.0ft (7.6m)	43.00	40.42	37.84	35.26	32.68
CS2HB15MM-50	Premium Molded Black Cable, HD15 Male / Male, 50.0ft (15.2m)	68.00	63.92	59.84	55.76	51.68
CS2HB15MF-1	Premium Molded Black Cable, HD15 Male / Female, 1.0ft (0.3m)	19.00	17.86	16.72	15.58	14.44
CS2HB15MF-2.5	Premium Molded Black Cable, HD15 Male / Female, 2.5ft (0.8m)	20.50	19.27	18.04	16.81	15.58
CS2HB15MF-5	Premium Molded Black Cable, HD15 Male / Female, 5.0ft (1.5m)	23.00	21.62	20.24	18.86	17.48
CS2HB15MF-10	Premium Molded Black Cable, HD15 Male / Female, 10.0ft (3.0m)	28.00	26.32	24.64	22.96	21.28
CS2HB15MF-15	Premium Molded Black Cable, HD15 Male / Female, 15.0ft (4.6m)	33.00	31.02	29.04	27.06	25.08
CS2HB15MF-25	Premium Molded Black Cable, HD15 Male / Female, 25.0ft (7.6m)	43.00	40.42	37.84	35.26	32.68
CS2HB15MF-50	Premium Molded Black Cable, HD15 Male / Female, 50.0ft (15.2m)	68.00	63.92	59.84	55.76	51.68
Premium 15 Pin Black D-Sub Cables - Molded, Fully Populated and Double Shielded						
CS2NB15MM-1	Premium Molded Black Cable, DB15 Male / Male, 1.0ft (0.3m)	19.00	17.86	16.72	15.58	14.44
CS2NB15MM-2.5	Premium Molded Black Cable, DB15 Male / Male, 2.5ft (0.8m)	20.50	19.27	18.04	16.81	15.58
CS2NB15MM-5	Premium Molded Black Cable, DB15 Male / Male, 5.0ft (1.5m)	23.00	21.62	20.24	18.86	17.48
CS2NB15MM-15	Premium Molded Black Cable, DB15 Male / Male, 15.0ft (4.6m)	33.00	31.02	29.04	27.06	25.08
CS2NB15MM-25	Premium Molded Black Cable, DB15 Male / Male, 25.0ft (7.6m)	43.00	40.42	37.84	35.26	32.68
CS2NB15MM-50	Premium Molded Black Cable, DB15 Male / Male, 50.0ft (15.2m)	68.00	63.92	59.84	55.76	51.68
CS2NB15MF-1	Premium Molded Black Cable, DB15 Male / Female, 1.0ft (0.3m)	19.00	17.86	16.72	15.58	14.44
CS2NB15MF-2.5	Premium Molded Black Cable, DB15 Male / Female, 2.5ft (0.8m)	20.50	19.27	18.04	16.81	15.58
CS2NB15MF-5	Premium Molded Black Cable, DB15 Male / Female, 5.0ft (1.5m)	23.00	21.62	20.24	18.86	17.48
CS2NB15MF-10	Premium Molded Black Cable, DB15 Male / Female, 10.0ft (3.0m)	28.00	26.32	24.64	22.96	21.28
CS2NB15MF-15	Premium Molded Black Cable, DB15 Male / Female, 15.0ft (4.6m)	33.00	31.02	29.04	27.06	25.08
CS2NB15MF-25	Premium Molded Black Cable, DB15 Male / Female, 25.0ft (7.6m)	43.00	40.42	37.84	35.26	32.68
CS2NB15MF-50	Premium Molded Black Cable, DB15 Male / Female, 50.0ft (15.2m)	68.00	63.92	59.84	55.76	51.68
Premium 25 Pin Black D-Sub Cables - Molded, Fully Populated and Double Shielded						
CS2NB25MM-1	Premium Molded Black Cable, DB25 Male / Male, 1.0ft (0.3m)	21.00	19.74	18.48	17.22	15.96
CS2NB25MM-2.5	Premium Molded Black Cable, DB25 Male / Male, 2.5ft (0.8m)	22.50	21.15	19.80	18.45	17.10
CS2NB25MM-5	Premium Molded Black Cable, DB25 Male / Male, 5.0ft (1.5m)	25.00	23.50	22.00	20.50	19.00
CS2NB25MM-10	Premium Molded Black Cable, DB25 Male / Male, 10.0ft (3.0m)	30.00	28.20	26.40	24.60	22.80
CS2NB25MM-15	Premium Molded Black Cable, DB25 Male / Male, 15.0ft (4.6m)	35.00	32.90	30.80	28.70	26.60
CS2NB25MM-25	Premium Molded Black Cable, DB25 Male / Male, 25.0ft (7.6m)	45.00	42.30	39.60	36.90	34.20
CS2NB25MM-50	Premium Molded Black Cable, DB25 Male / Male, 50.0ft (15.2m)	70.00	65.80	61.60	57.40	53.20
CS2NB25MF-1	Premium Molded Black Cable, DB25 Male / Female, 1.0ft (0.3m)	21.00	19.74	18.48	17.22	15.96
CS2NB25MF-2.5	Premium Molded Black Cable, DB25 Male / Female, 2.5ft (0.8m)	22.50	21.15	19.80	18.45	17.10
CS2NB25MF-5	Premium Molded Black Cable, DB25 Male / Female, 5.0ft (1.5m)	25.00	23.50	22.00	20.50	19.00
CS2NB25MF-10	Premium Molded Black Cable, DB25 Male / Female, 10.0ft (3.0m)	30.00	28.20	26.40	24.60	22.80
CS2NB25MF-25	Premium Molded Black Cable, DB25 Male / Female, 25.0ft (7.6m)	45.00	42.30	39.60	36.90	34.20
CS2NB25MF-50	Premium Molded Black Cable, DB25 Male / Female, 50.0ft (15.2m)	70.00	65.80	61.60	57.40	53.20
Replacement 4-40 Screws for CS2NB and CS2HB Series Assemblies - Sold in 10/Packs						
TS-CS21	Replacement Screws for CS2NB9, CS2NB15, CS2HB15 Series Assemblies, Pkg/10	3.90	3.67	3.43	3.20	2.96
TS-CS2N25	Replacement Screws for CS2NB25 Series Assemblies, Pkg/10	4.10	3.85	3.61	3.36	3.12
Deluxe Null Modem Cable Assemblies with Thumbscrews, Fully Shielded						
The CSNULL series of cable assemblies features the same construction as the CSMN series but is wired to the most common null modem wiring schemes. The transmit data and receive data signals are crossed to allow two DTE or DCE devices to communicate.						
CSNULL9FF-5	Deluxe Null Modem Cable, DB9 Female / Female, 5.0ft (1.5m)	10.75	9.68	8.60	7.52	6.45
CSNULL9FF-10	Deluxe Null Modem Cable, DB9 Female / Female, 10.0ft (3.0m)	12.50	11.25	10.00	8.75	7.50
CSNULL9FF-25	Deluxe Null Modem Cable, DB9 Female / Female, 25.0ft (7.6m)	17.75	15.97	14.20	12.42	10.65
CSNULL9MF-5	Deluxe Null Modem Cable, DB9 Male / Female, 5.0ft (1.5m)	10.75	9.68	8.60	7.52	6.45
CSNULL9MF-10	Deluxe Null Modem Cable, DB9 Male / Female, 10.0ft (3.0m)	12.50	11.25	10.00	8.75	7.50
CSNULL9MF-25	Deluxe Null Modem Cable, DB9 Male / Female, 25.0ft (7.6m)	17.75	15.97	14.20	12.42	10.65
CSNULL9FF-5A	Deluxe Null Modem Cable, DB9 Female / Female, 5.0ft (1.5m)	10.75	9.68	8.60	7.52	6.45
CSNULL9FF-10A	Deluxe Null Modem Cable, DB9 Female / Female, 10.0ft (3.0m)	12.50	11.25	10.00	8.75	7.50
CSNULL9FF-25A	Deluxe Null Modem Cable, DB9 Female / Female, 25.0ft (7.6m)	17.75	15.97	14.20	12.42	10.65
CSNULL9MF-5A	Deluxe Null Modem Cable, DB9 Male / Female, 5.0ft (1.5m)	10.75	9.68	8.60	7.52	6.45
CSNULL9MF-10A	Deluxe Null Modem Cable, DB9 Male / Female, 10.0ft (3.0m)	12.50	11.25	10.00	8.75	7.50
CSNULL9MF-25A	Deluxe Null Modem Cable, DB9 Male / Female, 25.0ft (7.6m)	17.75	15.97	14.20	12.42	10.65
CSNULL259MF-5	Deluxe Null Modem Cable, DB25 Male / DB9 Female, 5.0ft (1.5m)	11.25	10.13	9.00	7.87	6.75
CSNULL259MF-10	Deluxe Null Modem Cable, DB25 Male / DB9 Female, 10.0ft (3.0m)	13.00	11.70	10.40	9.10	7.80
CSNULL259MF-25	Deluxe Null Modem Cable, DB25 Male / DB9 Female, 25.0ft (7.6m)	18.25	16.43	14.60	12.77	10.95

L-com® Global Connectivity

Connector reference chart
A handy listing of popular connectors.
L-com.com/ConnectorChart

Item #	Description	1-9	10-24	25-99	100-249	250-499

Deluxe Molded Black D-Sub Cables

These cables give the user the option to color match to black equipment and are constructed identically to our popular CSMN light gray cable series.

Deluxe 9 Pin D-Sub Molded Cables - Shielded and Fully Populated

CSMNB9MM-1	Deluxe Molded Cable, DB9 Male / Male, 1.0ft (0.3m)	6.75	6.21	5.67	5.13	4.59
CSMNB9MM-5	Deluxe Molded Cable, DB9 Male / Male, 5.0ft (1.5m)	8.75	8.05	7.35	6.65	5.95
CSMNB9MM-10	Deluxe Molded Cable, DB9 Male / Male, 10.0ft (3.0m)	11.25	10.35	9.45	8.55	7.65
CSMNB9MM-25	Deluxe Molded Cable, DB9 Male / Male, 25.0ft (7.6m)	18.75	17.25	15.75	14.25	12.75
CSMNB9MM-50	Deluxe Molded Cable, DB9 Male / Male, 50.0ft (15.2m)	31.25	28.75	26.25	23.75	21.25
CSMNB9MF-2.5	Deluxe Molded Cable, DB9 Male / Female, 2.5ft (0.8m)	7.50	6.90	6.30	5.70	5.10
CSMNB9MF-5	Deluxe Molded Cable, DB9 Male / Female, 5.0ft (1.5m)	8.75	8.05	7.35	6.65	5.95
CSMNB9MF-10	Deluxe Molded Cable, DB9 Male / Female, 10.0ft (3.0m)	11.25	10.35	9.45	8.55	7.65
CSMNB9MF-15	Deluxe Molded Cable, DB9 Male / Female, 15.0ft (4.6m)	13.75	12.65	11.55	10.45	9.35
CSMNB9MF-50	Deluxe Molded Cable, DB9 Male / Female, 50.0ft (15.2m)	31.25	28.75	26.25	23.75	21.25

Deluxe 15 Pin D-Sub Molded Cables - Shielded and Fully Populated

CSMNB15MM-1	Deluxe Molded Cable, DB15 Male / Male, 1.0ft (0.3m)	10.35	9.73	9.11	8.49	7.87
CSMNB15MM-5	Deluxe Molded Cable, DB15 Male / Male, 5.0ft (1.5m)	12.75	11.98	11.22	10.46	9.69
CSMNB15MM-10	Deluxe Molded Cable, DB15 Male / Male, 10.0ft (3.0m)	15.75	14.80	13.86	12.92	11.97
CSMNB15MM-25	Deluxe Molded Cable, DB15 Male / Male, 25.0ft (7.6m)	24.75	23.26	21.78	20.30	18.81
CSMNB15MM-50	Deluxe Molded Cable, DB15 Male / Male, 50.0ft (15.2m)	39.75	37.36	34.98	32.60	30.21
CSMNB15MF-1	Deluxe Molded Cable, DB15 Male / Female, 1.0ft (0.3m)	10.35	9.73	9.11	8.49	7.87
CSMNB15MF-2.5	Deluxe Molded Cable, DB15 Male / Female, 2.5ft (0.8m)	11.25	10.57	9.90	9.23	8.55
CSMNB15MF-5	Deluxe Molded Cable, DB15 Male / Female, 5.0ft (1.5m)	12.75	11.98	11.22	10.46	9.69
CSMNB15MF-10	Deluxe Molded Cable, DB15 Male / Female, 10.0ft (3.0m)	15.75	14.80	13.86	12.92	11.97
CSMNB15MF-15	Deluxe Molded Cable, DB15 Male / Female, 15.0ft (4.6m)	18.75	17.63	16.50	15.38	14.25
CSMNB15MF-25	Deluxe Molded Cable, DB15 Male / Female, 25.0ft (7.6m)	24.75	23.26	21.78	20.30	18.81
CSMNB15MF-50	Deluxe Molded Cable, DB15 Male / Female, 50.0ft (15.2m)	39.75	37.36	34.98	32.60	30.21

Deluxe 25 Pin D-Sub Molded Cables - Shielded and Fully Populated

CSMNB25MM-1	Deluxe Molded Cable, DB25 Male / Male, 1.0ft (0.3m)	9.15	8.42	7.69	6.95	6.22
CSMNB25MM-5	Deluxe Molded Cable, DB25 Male / Male, 5.0ft (1.5m)	10.75	9.89	9.03	8.17	7.31
CSMNB25MM-10	Deluxe Molded Cable, DB25 Male / Male, 10.0ft (3.0m)	12.75	11.73	10.71	9.69	8.67
CSMNB25MM-25	Deluxe Molded Cable, DB25 Male / Male, 25.0ft (7.6m)	18.75	17.25	15.75	14.25	12.75
CSMNB25MM-50	Deluxe Molded Cable, DB25 Male / Male, 50.0ft (15.2m)	28.75	26.45	24.15	21.85	19.55
CSMNB25MF-2.5	Deluxe Molded Cable, DB25 Male / Female, 2.5ft (0.8m)	9.75	8.97	8.19	7.41	6.63
CSMNB25MF-5	Deluxe Molded Cable, DB25 Male / Female, 5.0ft (1.5m)	10.75	9.89	9.03	8.17	7.31
CSMNB25MF-10	Deluxe Molded Cable, DB25 Male / Female, 10.0ft (3.0m)	12.75	11.73	10.71	9.69	8.67
CSMNB25MF-15	Deluxe Molded Cable, DB25 Male / Female, 15.0ft (4.6m)	14.75	13.57	12.39	11.21	10.03
CSMNB25MF-50	Deluxe Molded Cable, DB25 Male / Female, 50.0ft (15.2m)	28.75	26.45	24.15	21.85	19.55

Low Smoke Zero Halogen (LSZH) D-Sub Cable Assemblies, DB9, DB15 and DB25

LSZH D-Sub cable assemblies are available in DB9, DB15 and DB25 connector sizes with male to male and male to female configurations. Cable is 24AWG with a foil/braid shield. Color is black.

Low Smoke Zero Halogen 9 Pin D-Sub Cables - Fully Populated and Double Shielded

CSMUZ9MM-1	LSZH Cable, DB9 Male / Male, 1.0ft (0.3m)	27.75	26.64	25.53	24.42	23.31
CSMUZ9MM-5	LSZH Cable, DB9 Male / Male, 5.0ft (1.5m)	33.75	32.40	31.05	29.70	28.35
CSMUZ9MM-10	LSZH Cable, DB9 Male / Male, 10.0ft (3.0m)	41.25	39.60	37.95	36.30	34.65
CSMUZ9MM-25	LSZH Cable, DB9 Male / Male, 25.0ft (7.6m)	56.25	51.75	47.25	42.75	38.25
CSMUZ9MM-125	LSZH Cable, DB9 Male / Male, 125.0ft (38.1m)	206.25	198.00	189.75	181.50	173.25
CSMUZ9MF-1	LSZH Cable, DB9 Male / Female, 1.0ft (0.3m)	27.75	26.64	25.53	24.42	23.31
CSMUZ9MF-5	LSZH Cable, DB9 Male / Female, 5.0ft (1.5m)	33.75	32.40	31.05	29.70	28.35
CSMUZ9MF-10	LSZH Cable, DB9 Male / Female, 10.0ft (3.0m)	41.25	39.60	37.95	36.30	34.65
CSMUZ9MF-25	LSZH Cable, DB9 Male / Female, 25.0ft (7.6m)	56.25	54.00	51.75	49.50	47.25
CSMUZ9MF-125	LSZH Cable, DB9 Male / Female, 125.0ft (38.1m)	206.25	198.00	189.75	181.50	173.25

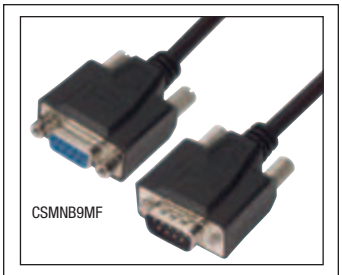
Low Smoke Zero Halogen 15 Pin D-Sub Cables - Fully Populated and Double Shielded

CSMUZ15MM-1	LSZH Cable, DB15 Male / Male, 1.0ft (0.3m)	29.50	28.32	27.14	25.96	24.78
CSMUZ15MM-2.5	LSZH Cable, DB15 Male / Male, 2.5ft (0.8m)	32.50	31.20	29.90	28.60	27.30
CSMUZ15MM-5	LSZH Cable, DB25 Male / Male, 5.0ft (1.5m)	37.50	36.00	34.50	33.00	31.50
CSMUZ15MM-10	LSZH Cable, DB15 Male / Male, 10.0ft (3.0m)	47.50	45.60	43.70	41.80	39.90
CSMUZ15MM-15	LSZH Cable, DB15 Male / Male, 15.0ft (4.6m)	57.50	55.20	52.90	50.60	48.30
CSMUZ15MM-25	LSZH Cable, DB15 Male / Male, 25.0ft (7.6m)	66.00	63.36	60.72	58.08	55.44
CSMUZ15MM-50	LSZH Cable, DB15 Male / Male, 50.0ft (15.2m)	116.00	111.36	106.72	102.08	97.44
CSMUZ15MM-125	LSZH Cable, DB15 Male / Male, 125.0ft (38.1m)	266.00	255.36	244.72	234.08	223.44
CSMUZ15MF-1	LSZH Cable, DB15 Male / Female, 1.0ft (0.3m)	29.50	28.32	27.14	25.96	24.78
CSMUZ15MF-2.5	LSZH Cable, DB15 Male / Female, 2.5ft (0.8m)	32.50	31.20	29.90	28.60	27.30
CSMUZ15MF-5	LSZH Cable, DB15 Male / Female, 5.0ft (1.5m)	37.50	36.00	34.50	33.00	31.50
CSMUZ15MF-10	LSZH Cable, DB15 Male / Female, 10.0ft (3.0m)	47.50	45.60	43.70	41.80	39.90
CSMUZ15MF-15	LSZH Cable, DB15 Male / Female, 15.0ft (4.6m)	57.50	55.20	52.90	50.60	48.30
CSMUZ15MF-25	LSZH Cable, DB15 Male / Female, 25.0ft (7.6m)	66.00	63.36	60.72	58.08	55.44
CSMUZ15MF-50	LSZH Cable, DB15 Male / Female, 50.0ft (15.2m)	116.00	111.36	106.72	102.08	97.44
CSMUZ15MF-125	LSZH Cable, DB15 Male / Female, 125.0ft (38.1m)	266.00	255.36	244.72	234.08	223.44

Low Smoke Zero Halogen 25 Pin D-Sub Cables - Fully Populated and Double Shielded

CSMUZ25MM-2.5	LSZH Cable, DB25 Male / Male, 2.5ft (0.8m)	37.50	36.00	34.50	33.00	31.50
CSMUZ25MM-5	LSZH Cable, DB25 Male / Male, 5.0ft (1.5m)	45.00	43.20	41.40	39.60	37.80
CSMUZ25MM-15	LSZH Cable, DB25 Male / Male, 15.0ft (4.6m)	75.00	72.00	69.00	66.00	63.00
CSMUZ25MM-50	LSZH Cable, DB25 Male / Male, 50.0ft (15.2m)	165.00	158.40	151.80	145.20	138.60
CSMUZ25MM-125	LSZH Cable, DB25 Male / Male, 125.0ft (38.1m)	390.00	374.40	358.80	343.20	327.60
CSMUZ25MF-2.5	LSZH Cable, DB25 Male / Female, 2.5ft (0.8m)	37.50	36.00	34.50	33.00	31.50
CSMUZ25MF-5	LSZH Cable, DB25 Male / Female, 5.0ft (1.5m)	45.00	43.20	41.40	39.60	37.80
CSMUZ25MF-15	LSZH Cable, DB25 Male / Female, 15.0ft (4.6m)	75.00	72.00	69.00	66.00	63.00
CSMUZ25MF-50	LSZH Cable, DB25 Male / Female, 50.0ft (15.2m)	165.00	158.40	151.80	145.20	138.60
CSMUZ25MF-125	LSZH Cable, DB25 Male / Female, 125.0ft (38.1m)	390.00	374.40	358.80	343.20	327.60

More lengths available. Go to L-com.com


CSMNB9MF


CSMNB15MF


CSMNB25MF


CSMUZ9MF

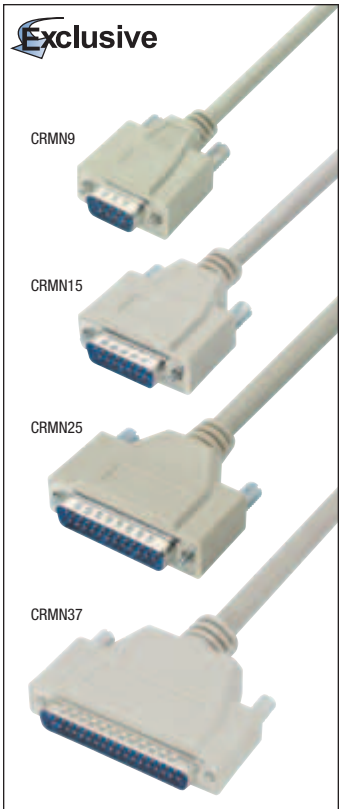

CSMUZ15MF



Standard and Hi-Density D-Sub configurations
See the free video tip and more at
L-com.com/Videos/A13

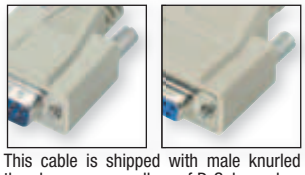
L-COM Global Connectivity

Exclusive



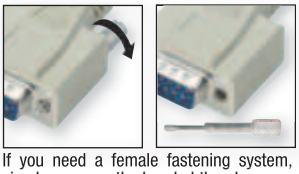
Comes complete with male and female 4-40 hardware.

STEP 1



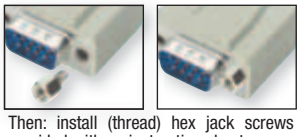
This cable is shipped with male knurled thumbscrews regardless of D-Sub gender.

STEP 2



If you need a female fastening system, simply unscrew the knurled thumbscrew.

STEP 3



Then: install (thread) hex jack screws provided with an instruction sheet.

STEP 4



To install your cable on a panel it should be no thicker than 0.062" (0.2cm). Simply follow step 2. Provide proper panel opening, install the hex jack screw and tighten.

Item #	Description	1-9	10-24	25-99	100-249	250-499

Data Cables - With Reversible Hardware to Mate Any Serial Cables or Mount on Panels

L-com is proud to offer an ***exclusive family*** of D-Sub data cables featuring user defined mounting hardware. Each cable end is capable of being connected with either male jack screws or female hex standoffs regardless of D-Sub gender. This capability allows a user much more flexibility to interface ports with opposite gender hardware. A by-product feature is to use the same cable with the male or female connector end mounted on a panel. No other standard off-the-shelf cable has this capability. The secret is in the kit of four custom hex standoffs that are included with each cable assembly. The specially made cable readily accepts these hex standoffs mounting on panels no thicker than 0.062" (0.2cm).

Reversing Hardware 9 Pin D-Sub Cables - Are Shielded and Fully Populated

CRMN9MM-2.5	Reversible Hardware Molded Cable, DB9 Male / Male, 2.5ft (0.8m)	14.75	13.57	12.39	11.21	10.03
CRMN9MM-5	Reversible Hardware Molded Cable, DB9 Male / Male, 5.0ft (1.5m)	15.75	14.49	13.23	11.97	10.71
CRMN9MM-10	Reversible Hardware Molded Cable, DB9 Male / Male, 10.0ft (3.0m)	17.50	16.10	14.70	13.30	11.90
CRMN9MM-15	Reversible Hardware Molded Cable, DB9 Male / Male, 15.0ft (4.6m)	19.25	17.71	16.17	14.63	13.09
CRMN9MM-25	Reversible Hardware Molded Cable, DB9 Male / Male, 25.0ft (7.6m)	22.75	20.93	19.11	17.29	15.47
CRMN9MF-2.5	Reversible Hardware Molded Cable, DB9 Male / Female, 2.5ft (0.8m)	14.75	13.57	12.39	11.21	10.03
CRMN9MF-5	Reversible Hardware Molded Cable, DB9 Male / Female, 5.0ft (1.5m)	15.75	14.49	13.23	11.97	10.71
CRMN9MF-10	Reversible Hardware Molded Cable, DB9 Male / Female, 10.0ft (3.0m)	17.50	16.10	14.70	13.30	11.90
CRMN9MF-15	Reversible Hardware Molded Cable, DB9 Male / Female, 15.0ft (4.6m)	19.25	17.71	16.17	14.63	13.09
CRMN9MF-25	Reversible Hardware Molded Cable, DB9 Male / Female, 25.0ft (7.6m)	22.75	20.93	19.11	17.29	15.47
CRMN9FF-2.5	Reversible Hardware Molded Cable, DB9 Female / Female, 2.5ft (0.8m)	14.75	13.57	12.39	11.21	10.03
CRMN9FF-5	Reversible Hardware Molded Cable, DB9 Female / Female, 5.0ft (1.5m)	15.75	14.49	13.23	11.97	10.71
CRMN9FF-10	Reversible Hardware Molded Cable, DB9 Female / Female, 10.0ft (3.0m)	17.50	16.10	14.70	13.30	11.90
CRMN9FF-15	Reversible Hardware Molded Cable, DB9 Female / Female, 15.0ft (4.6m)	19.25	17.71	16.17	14.63	13.09
CRMN9FF-25	Reversible Hardware Molded Cable, DB9 Female / Female, 25.0ft (7.6m)	22.75	20.93	19.11	17.29	15.47

Reversing Hardware 15 Pin D-Sub Cables - Are Shielded and Fully Populated

CRMN15MM-2.5	Reversible Hardware Molded Cable, DB15 Male / Male, 2.5ft (0.8m)	18.00	16.56	15.12	13.68	12.24
CRMN15MM-5	Reversible Hardware Molded Cable, DB15 Male / Male, 5.0ft (1.5m)	19.25	17.71	16.17	14.63	13.09
CRMN15MM-10	Reversible Hardware Molded Cable, DB15 Male / Male, 10.0ft (3.0m)	21.50	19.78	18.06	16.34	14.62
CRMN15MM-15	Reversible Hardware Molded Cable, DB15 Male / Male, 15.0ft (4.6m)	23.75	21.85	19.95	18.05	16.15
CRMN15MF-2.5	Reversible Hardware Molded Cable, DB15 Male / Female, 2.5ft (0.8m)	18.00	16.56	15.12	13.68	12.24
CRMN15MF-5	Reversible Hardware Molded Cable, DB15 Male / Female, 5.0ft (1.5m)	19.25	17.71	16.17	14.63	13.09
CRMN15MF-10	Reversible Hardware Molded Cable, DB15 Male / Female, 10.0ft (3.0m)	21.50	19.78	18.06	16.34	14.62
CRMN15MF-15	Reversible Hardware Molded Cable, DB15 Male / Female, 15.0ft (4.6m)	23.75	21.85	19.95	18.05	16.15
CRMN15FF-2.5	Reversible Hardware Molded Cable, DB15 Female / Female, 2.5ft (0.8m)	18.00	16.56	15.12	13.68	12.24
CRMN15FF-5	Reversible Hardware Molded Cable, DB15 Female / Female, 5.0ft (1.5m)	19.25	17.71	16.17	14.63	13.09
CRMN15FF-10	Reversible Hardware Molded Cable, DB15 Female / Female, 10.0ft (3.0m)	21.50	19.78	18.06	16.34	14.62
CRMN15FF-15	Reversible Hardware Molded Cable, DB15 Female / Female, 15.0ft (4.6m)	23.75	21.85	19.95	18.05	16.15

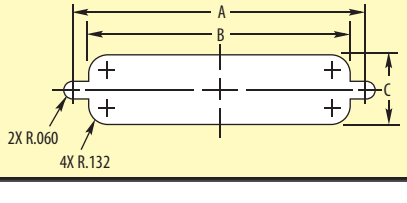
Reversing Hardware 25 Pin D-Sub Cables - Are Shielded and Fully Populated

CRMN25MM-2.5	Reversible Hardware Molded Cable, DB25 Male / Male, 2.5ft (0.8m)	21.50	19.78	18.06	16.34	14.62
CRMN25MM-5	Reversible Hardware Molded Cable, DB25 Male / Male, 5.0ft (1.5m)	23.25	21.39	19.53	17.67	15.81
CRMN25MM-10	Reversible Hardware Molded Cable, DB25 Male / Male, 10.0ft (3.0m)	26.50	24.38	22.26	20.14	18.02
CRMN25MM-15	Reversible Hardware Molded Cable, DB25 Male / Male, 15.0ft (4.6m)	29.75	27.37	24.99	22.61	20.23
CRMN25MM-25	Reversible Hardware Molded Cable, DB25 Male / Male, 25.0ft (7.6m)	36.25	33.35	30.45	27.55	24.65
CRMN25MF-2.5	Reversible Hardware Molded Cable, DB25 Male / Female, 2.5ft (0.8m)	21.50	19.78	18.06	16.34	14.62
CRMN25MF-5	Reversible Hardware Molded Cable, DB25 Male / Female, 5.0ft (1.5m)	23.25	21.39	19.53	17.67	15.81
CRMN25MF-10	Reversible Hardware Molded Cable, DB25 Male / Female, 10.0ft (3.0m)	26.50	24.38	22.26	20.14	18.02
CRMN25MF-15	Reversible Hardware Molded Cable, DB25 Male / Female, 15.0ft (4.6m)	29.75	27.37	24.99	22.61	20.23
CRMN25MF-25	Reversible Hardware Molded Cable, DB25 Male / Female, 25.0ft (7.6m)	36.25	33.35	30.45	27.55	24.65
CRMN25FF-2.5	Reversible Hardware Molded Cable, DB25 Female / Female, 2.5ft (0.8m)	21.50	19.78	18.06	16.34	14.62
CRMN25FF-5	Reversible Hardware Molded Cable, DB25 Female / Female, 5.0ft (1.5m)	23.25	21.39	19.53	17.67	15.81
CRMN25FF-10	Reversible Hardware Molded Cable, DB25 Female / Female, 10.0ft (3.0m)	26.50	24.38	22.26	20.14	18.02
CRMN25FF-15	Reversible Hardware Molded Cable, DB25 Female / Female, 15.0ft (4.6m)	29.75	27.37	24.99	22.61	20.23
CRMN25FF-25	Reversible Hardware Molded Cable, DB25 Female / Female, 25.0ft (7.6m)	36.25	33.35	30.45	27.55	24.65

Reversing Hardware 37 Pin D-Sub Cables - Are Shielded and Fully Populated

CRMN37MM-2.5	Reversible Hardware Molded Cable, DB37 Male / Male, 2.5ft (0.8m)	34.25	31.51	28.77	26.03	23.29
CRMN37MM-5	Reversible Hardware Molded Cable, DB37 Male / Male, 5.0ft (1.5m)	36.75	33.81	30.87	27.93	24.99
CRMN37MM-10	Reversible Hardware Molded Cable, DB37 Male / Male, 10.0ft (3.0m)	41.50	38.18	34.86	31.54	28.22
CRMN37MM-15	Reversible Hardware Molded Cable, DB37 Male / Male, 15.0ft (4.6m)	46.25	42.55	38.85	35.15	31.45
CRMN37MM-25	Reversible Hardware Molded Cable, DB37 Male / Male, 25.0ft (7.6m)	55.75	51.29	46.83	42.37	37.91
CRMN37MF-2.5	Reversible Hardware Molded Cable, DB37 Male / Female, 2.5ft (0.8m)	34.25	31.51	28.77	26.03	23.29
CRMN37MF-5	Reversible Hardware Molded Cable, DB37 Male / Female, 5.0ft (1.5m)	36.75	33.81	30.87	27.93	24.99
CRMN37MF-10	Reversible Hardware Molded Cable, DB37 Male / Female, 10.0ft (3.0m)	41.50	38.18	34.86	31.54	28.22
CRMN37MF-15	Reversible Hardware Molded Cable, DB37 Male / Female, 15.0ft (4.6m)	46.25	42.55	38.85	35.15	31.45
CRMN37MF-25	Reversible Hardware Molded Cable, DB37 Male / Female, 25.0ft (7.6m)	55.75	51.29	46.83	42.37	37.91
CRMN37FF-2.5	Reversible Hardware Molded Cable, DB37 Female / Female, 2.5ft (0.8m)	34.25	31.51	28.77	26.03	23.29
CRMN37FF-5	Reversible Hardware Molded Cable, DB37 Female / Female, 5.0ft (1.5m)	36.75	33.81	30.87	27.93	24.99
CRMN37FF-10	Reversible Hardware Molded Cable, DB37 Female / Female, 10.0ft (3.0m)	41.50	38.18	34.86	31.54	28.22
CRMN37FF-15	Reversible Hardware Molded Cable, DB37 Female / Female, 15.0ft (4.6m)	46.25	42.55	38.85	35.15	31.45
CRMN37FF-25	Reversible Hardware Molded Cable, DB37 Female / Female, 25.0ft (7.6m)	55.75	51.29	46.83	42.37	37.91

Tip ***Recommended panel openings for rear mounted D-Sub adapters***



PANEL MOUNTING DIMENSIONS (shown in inches/cm)			
CONTACTS	DIM. A	DIM. B	DIM. C
DB9 or HD15	0.984 (2.5cm)	0.806 (2.0cm)	.449 (1.1cm)
DB15 or HD26	1.312 (3.3cm)	1.134 (2.9cm)	.449 (1.1cm)
DB25 or HD44	1.852 (4.7cm)	1.684 (4.3cm)	.449 (1.1cm)
DB37 or HD62	2.500 (6.4cm)	2.326 (5.9cm)	.449 (1.1cm)
DB50 or HD78	2.406 (6.1cm)	2.218 (5.6cm)	.555 (1.4cm)

L-com Global Connectivity

Connector reference chart
A handy listing of popular connectors.
L-com.com/ConnectorChart

Item #	Description	1-9	10-24	25-99	100-249	250-499

Deluxe High-Density 15 Pin D-Sub Cables - Fully Populated and Completely Shielded

High-density D-Sub connectors are used in a number of PC and network applications. This type of connector can usually be recognized because they have three rows of smaller pins versus the larger pins used in conventional D-Subs. Fully populated with stranded conductors and aluminum mylar shielding. Hex nuts on female connectors are removable to expose 4-40 thumbscrews.

CHD15MM-2.5	Deluxe Molded Cable, HD15 Male / Male, 2.5ft (0.8m)	10.90	10.25	9.59	8.94	8.28
CHD15MM-5	Deluxe Molded Cable, HD15 Male / Male, 5.0ft (1.5m)	11.75	11.04	10.34	9.64	8.93
CHD15MM-7.5	Deluxe Molded Cable, HD15 Male / Male, 7.5ft (2.3m)	12.65	11.89	11.13	10.37	9.61
CHD15MM-10	Deluxe Molded Cable, HD15 Male / Male, 10.0ft (3.0m)	13.50	12.69	11.88	11.07	10.26
CHD15MM-15	Deluxe Molded Cable, HD15 Male / Male, 15.0ft (4.6m)	15.25	14.33	13.42	12.51	11.59
CHD15MM-25	Deluxe Molded Cable, HD15 Male / Male, 25.0ft (7.6m)	17.00	15.98	14.96	13.94	12.92
CHD15MF-2.5	Deluxe Molded Cable, HD15 Male / Female, 2.5ft (0.8m)	10.90	10.25	9.59	8.94	8.28
CHD15MF-5	Deluxe Molded Cable, HD15 Male / Female, 5.0ft (1.5m)	11.75	11.04	10.34	9.64	8.93
CHD15MF-7.5	Deluxe Molded Cable, HD15 Male / Female, 7.5ft (2.3m)	12.65	11.89	11.13	10.37	9.61
CHD15MF-10	Deluxe Molded Cable, HD15 Male / Female, 10.0ft (3.0m)	13.50	12.69	11.88	11.07	10.26
CHD15MF-15	Deluxe Molded Cable, HD15 Male / Female, 15.0ft (4.6m)	15.25	14.33	13.42	12.51	11.59
CHD15MF-25	Deluxe Molded Cable, HD15 Male / Female, 25.0ft (7.6m)	17.00	15.98	14.96	13.94	12.92

Note: Most monitor manufacturers recommend using premium grade VGA cables that utilize 75 Ohm coaxial lines.

Deluxe High-Density 26 Pin Molded Cables - Ready Made, Fully Populated for Many Applications

Fully molded data cables equipped with high-density D-Sub connectors. Fully populated with 26 AWG stranded conductors and aluminum mylar shielding. They are equipped with readily accessible thumbscrew type hold downs. Hex nuts on female connectors are removable to expose 4-40 thumbscrews.

CHD26MM-2.5	Deluxe Molded Cable, HD26 Male / Male, 2.5ft (0.8m)	24.90	23.41	21.91	20.42	18.92
CHD26MM-5	Deluxe Molded Cable, HD26 Male / Male, 5.0ft (1.5m)	26.75	25.14	23.54	21.94	20.33
CHD26MM-10	Deluxe Molded Cable, HD26 Male / Male, 10.0ft (3.0m)	30.50	28.67	26.84	25.01	23.18
CHD26MM-15	Deluxe Molded Cable, HD26 Male / Male, 15.0ft (4.6m)	34.25	32.20	30.14	28.09	26.03
CHD26MF-2.5	Deluxe Molded Cable, HD26 Male / Female, 2.5ft (0.8m)	24.90	23.41	21.91	20.42	18.92
CHD26MF-5	Deluxe Molded Cable, HD26 Male / Female, 5.0ft (1.5m)	26.75	25.14	23.54	21.94	20.33
CHD26MF-10	Deluxe Molded Cable, HD26 Male / Female, 10.0ft (3.0m)	30.50	28.67	26.84	25.01	23.18
CHD26MF-15	Deluxe Molded Cable, HD26 Male / Female, 15.0ft (4.6m)	34.25	32.20	30.14	28.09	26.03
CHD26MF-25	Deluxe Molded Cable, HD26 Male / Female, 25.0ft (7.6m)	41.75	39.24	36.74	34.23	31.73
CHD26MF-50	Deluxe Molded Cable, HD26 Male / Female, 50.0ft (15.2m)	60.50	56.87	53.24	49.61	45.98

Deluxe High-Density 44 Pin Molded Cables - Fully Populated and Shielded

Injection molded cable assemblies with HD44 terminations. Fully populated with 24 AWG stranded conductors and aluminum mylar and braided shielding. 4-40 metal thumbscrews molded into the strain relief. Hex nuts on female connectors are removable to expose 4-40 thumbscrews.

CHD44MM-2.5	Deluxe Molded Cable, HD44 Male / Male, 2.5ft (0.8m)	40.50	38.07	35.64	33.21	30.78
CHD44MM-5	Deluxe Molded Cable, HD44 Male / Male, 5.0ft (1.5m)	48.00	45.12	42.24	39.36	36.48
CHD44MM-10	Deluxe Molded Cable, HD44 Male / Male, 10.0ft (3.0m)	63.00	59.22	55.44	51.66	47.88
CHD44MM-15	Deluxe Molded Cable, HD44 Male / Male, 15.0ft (4.6m)	78.00	73.32	68.64	63.96	59.28
CHD44MM-25	Deluxe Molded Cable, HD44 Male / Male, 25.0ft (7.6m)	108.00	101.52	95.04	88.56	82.08
CHD44MM-50	Deluxe Molded Cable, HD44 Male / Male, 50.0ft (15.2m)	183.00	172.02	161.04	150.06	139.08
CHD44MF-2.5	Deluxe Molded Cable, HD44 Male / Female, 2.5ft (0.8m)	40.50	38.07	35.64	33.21	30.78
CHD44MF-5	Deluxe Molded Cable, HD44 Male / Female, 5.0ft (1.5m)	48.00	45.12	42.24	39.36	36.48
CHD44MF-10	Deluxe Molded Cable, HD44 Male / Female, 10.0ft (3.0m)	63.00	59.22	55.44	51.66	47.88
CHD44MF-15	Deluxe Molded Cable, HD44 Male / Female, 15.0ft (4.6m)	78.00	73.32	68.64	63.96	59.28
CHD44MF-25	Deluxe Molded Cable, HD44 Male / Female, 25.0ft (7.6m)	108.00	101.52	95.04	88.56	82.08
CHD44MF-50	Deluxe Molded Cable, HD44 Male / Female, 50.0ft (15.2m)	183.00	172.02	161.04	150.06	139.08

Deluxe High-Density 62 Pin Molded Cables - 31 Twisted Pairs and Full Shielding

Fully molded data cables with HD62 D-Sub connectors. Fully shielded with aluminum mylar shielding and fully populated with 28 AWG twisted pairs. Straight-thru pinning. Equipped with 4-40 thumbscrews. Hex nuts on female connectors are removable to expose 4-40 thumbscrews.

CHD62MM-2.5	Deluxe Molded Cable, HD62 Male / Male, 2.5ft (0.8m)	52.50	49.35	46.20	43.05	39.90
CHD62MM-5	Deluxe Molded Cable, HD62 Male / Male, 5.0ft (1.5m)	62.50	58.75	55.00	51.25	47.50
CHD62MM-10	Deluxe Molded Cable, HD62 Male / Male, 10.0ft (3.0m)	82.50	77.55	72.60	67.65	62.70
CHD62MM-15	Deluxe Molded Cable, HD62 Male / Male, 15.0ft (4.6m)	102.50	96.35	90.20	84.05	77.90
CHD62MM-25	Deluxe Molded Cable, HD62 Male / Male, 25.0ft (7.6m)	122.50	115.15	107.80	100.45	93.10
CHD62MF-2.5	Deluxe Molded Cable, HD62 Male / Female, 2.5ft (0.8m)	52.50	49.35	46.20	43.05	39.90
CHD62MF-5	Deluxe Molded Cable, HD62 Male / Female, 5.0ft (1.5m)	62.50	58.75	55.00	51.25	47.50
CHD62MF-10	Deluxe Molded Cable, HD62 Male / Female, 10.0ft (3.0m)	82.50	77.55	72.60	67.65	62.70
CHD62MF-15	Deluxe Molded Cable, HD62 Male / Female, 15.0ft (4.6m)	102.50	96.35	90.20	84.05	77.90
CHD62MF-25	Deluxe Molded Cable, HD62 Male / Female, 25.0ft (7.6m)	122.50	115.15	107.80	100.45	93.10
CHD62MF-50	Deluxe Molded Cable, HD62 Male / Female, 50.0ft (15.2m)	222.50	209.15	195.80	182.45	169.10

Deluxe High-Density 78 Pin Molded Cables - 39 Twisted Pairs and Double Shielded

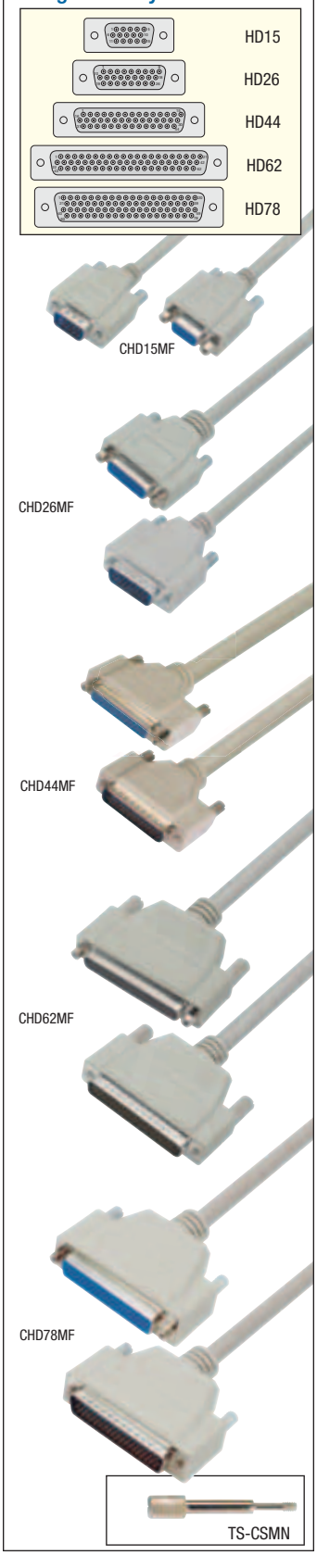
Fully molded data cables equipped with HD78 D-Sub connectors. Fully shielded with aluminum mylar and braided shielding and fully populated with 28 AWG twisted pairs. Straight-thru pinning. Equipped with 4-40 thumbscrews. Hex nuts on female connectors are removable to expose 4-40 thumbscrews.

CHD78MM-2.5	Deluxe Molded Cable, HD78 Male / Male, 2.5ft (0.8m)	57.50	54.05	50.60	47.15	43.70
CHD78MM-5	Deluxe Molded Cable, HD78 Male / Male, 5.0ft (1.5m)	70.00	65.80	61.60	57.40	53.20
CHD78MM-10	Deluxe Molded Cable, HD78 Male / Male, 10.0ft (3.0m)	95.00	89.30	83.60	77.90	72.20
CHD78MM-25	Deluxe Molded Cable, HD78 Male / Male, 25.0ft (7.6m)	170.00	159.80	149.60	139.40	129.20
CHD78MM-50	Deluxe Molded Cable, HD78 Male / Male, 50.0ft (15.2m)	295.00	277.30	259.60	241.90	224.20
CHD78MF-2.5	Deluxe Molded Cable, HD78 Male / Female, 2.5ft (0.8m)	57.50	54.05	50.60	47.15	43.70
CHD78MF-5	Deluxe Molded Cable, HD78 Male / Female, 5.0ft (1.5m)	70.00	65.80	61.60	57.40	53.20
CHD78MF-10	Deluxe Molded Cable, HD78 Male / Female, 10.0ft (3.0m)	95.00	89.30	83.60	77.90	72.20
CHD78MF-25	Deluxe Molded Cable, HD78 Male / Female, 25.0ft (7.6m)	170.00	159.80	149.60	139.40	129.20
CHD78MF-50	Deluxe Molded Cable, HD78 Male / Female, 50.0ft (15.2m)	295.00	277.30	259.60	241.90	224.20

Replacement 4-40 Screws for CHD Series Assemblies - Sold in 10/Packs

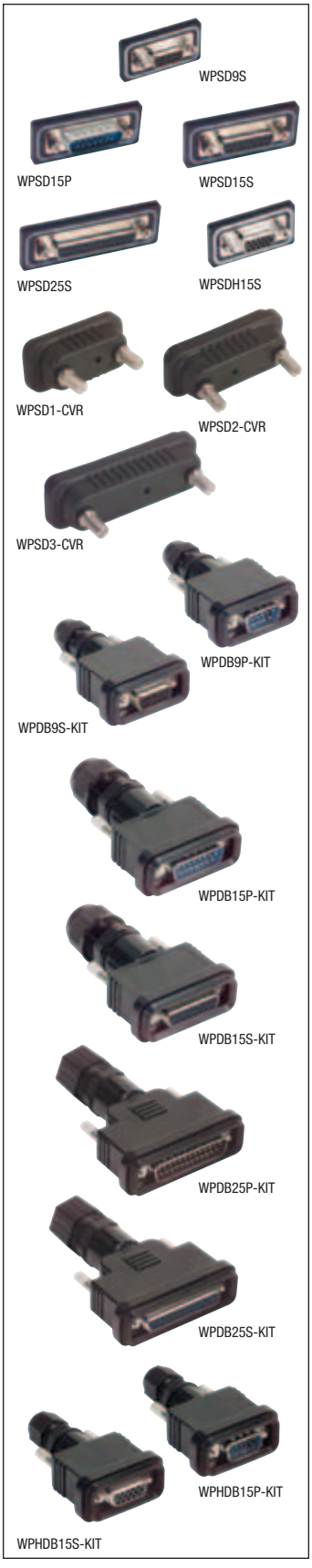
TS-CSMN	Replacement Screws for CHD Series Assemblies, Pkg/10	4.10	3.85	3.61	3.36	3.12

High-Density Connections



Standard and Hi-Density D-Sub configurations
See the free video tip and more at
L-com.com/Videos/A13

L-COM Global Connectivity



Item #	Description	1-9	10-24	25-99	100-249	250-499

Waterproof D-Sub Connectors and Backshells - IEC IP67 Rated

Harsh outdoor or indoor environments can destroy electronic equipment. Standard D-Sub connectors are not intended to withstand contaminants such as water and dust. By utilizing tough ABS housings, rubber gaskets and silicone insulating rings, these products achieve IEC IP67 ratings. Panel mounted D-Sub solder connectors are rear mounted and fit into standard D-Sub holes. Backshells conform to a variety of cable diameters by adjusting the sealing nut. L-com will manufacture cable assemblies using waterproof backshells with modest minimum requirements.

Waterproof D-Sub Panel Mount Solder Connectors

These solder cup connectors are available in male or female genders and DB9, DB15, DB25 and HD15 sizes. They will accommodate wire ranges from 30 - 20 AWG. Construction features gold plated brass contacts, nickel plated steel shells and a silicone insulating ring. Maximum recommended panel thickness is 0.078" (0.2cm).

WPSD9P	Waterproof Panel Mount Solder Cup D-Sub Connector, DB9M	13.75	12.92	12.10	11.28	10.45
WPSD9S	Waterproof Panel Mount Solder Cup D-Sub Connector, DB9F	13.75	12.92	12.10	11.28	10.45
WPSD15P	Waterproof Panel Mount Solder Cup D-Sub Connector, DB15M	15.75	14.80	13.86	12.92	11.97
WPSD15S	Waterproof Panel Mount Solder Cup D-Sub Connector, DB15F	15.75	14.80	13.86	12.92	11.97
WPSD25P	Waterproof Panel Mount Solder Cup D-Sub Connector, DB25M	17.75	16.68	15.62	14.56	13.49
WPSD25S	Waterproof Panel Mount Solder Cup D-Sub Connector, DB25F	17.75	16.68	15.62	14.56	13.49
WPSDH15P	Waterproof Panel Mount Solder Cup D-Sub Connector, HD15M	15.75	14.80	13.86	12.92	11.97
WPSDH15S	Waterproof Panel Mount Solder Cup D-Sub Connector, HD15F	15.75	14.80	13.86	12.92	11.97

Waterproof D-Sub Connector Covers

L-com's WPSD series of waterproof covers are perfect for protecting D-subminiature connectors from contamination and moisture. Designed for harsh environments, these protective covers can be used with L-com's WPSD series waterproof D-sub connectors to ensure IP67 rated protection. Several versions are available for the most common D-sub connector styles including DB9 (HD15), DB15 and DB25.

WPSD1-CVR	Waterproof D-Sub Connector Cover, DB9 and HD15	6.50	6.11	5.72	5.33	4.94
WPSD2-CVR	Waterproof D-Sub Connector Cover, DB15	6.75	6.34	5.94	5.54	5.13
WPSD3-CVR	Waterproof D-Sub Connector Cover, DB25	7.00	6.58	6.16	5.74	5.32

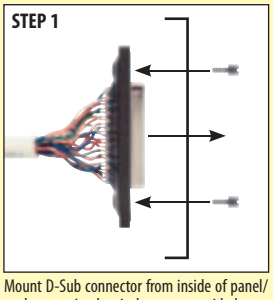
Waterproof D-Sub Backshell Kits

These backshell kits include solder cup connectors and are also available in male or female genders and DB9, DB15, DB25 and HD15 sizes. The connectors will accommodate wire ranges from 30 - 20 AWG. Backshell construction features ABS housings, nylon seals, nickel plated brass thumbscrews and rubber sealing gaskets to insure IEC IP67 rating. Color: Black.

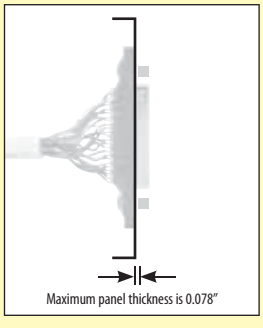
WPDB9P-KIT	Waterproof D-Sub Backshell Kit, DB9M	15.75	14.80	13.86	12.92	11.97
WPDB9S-KIT	Waterproof D-Sub Backshell Kit, DB9F	15.75	14.80	13.86	12.92	11.97
WPDB15P-KIT	Waterproof D-Sub Backshell Kit, DB15M	17.75	16.68	15.62	14.56	13.49
WPDB15S-KIT	Waterproof D-Sub Backshell Kit, DB15F	17.75	16.68	15.62	14.56	13.49
WPDB25P-KIT	Waterproof D-Sub Backshell Kit, DB25M	20.75	19.50	18.26	17.02	15.77
WPDB25S-KIT	Waterproof D-Sub Backshell Kit, DB25F	20.75	19.50	18.26	17.02	15.77
WPHDB15P-KIT	Waterproof D-Sub Backshell Kit, HD15M	13.75	12.65	11.55	10.45	9.35
WPHDB15S-KIT	Waterproof D-Sub Backshell Kit, HD15F	13.75	12.65	11.55	10.45	9.35

Tip *How to apply panel mount waterproof D-Sub products*

STEP 1

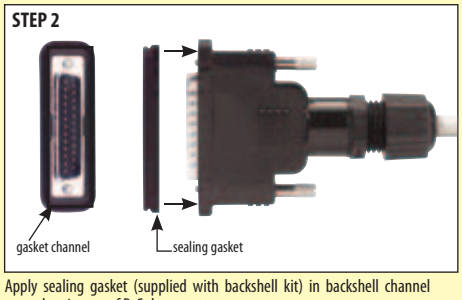


Mount D-Sub connector from inside of panel/ enclosure using hex jack screws provided.



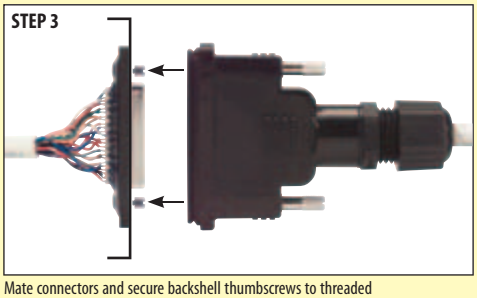
Maximum panel thickness is 0.078"

STEP 2

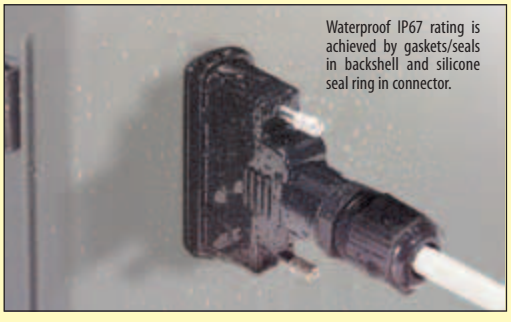


Apply sealing gasket (supplied with backshell kit) in backshell channel around perimeter of D-Sub connector.

STEP 3



Mate connectors and secure backshell thumbscrews to threaded jackscrews.



L-com Global Connectivity

Customer Testimonials
Read why others choose L-com.
L-com.com/Testimonials

How are slimline adapters used?

Online Video
L-com.com/Videos/A24

Gender Changers:

Allow two same gender connectors to mate. Very handy to have on hand to solve problems in the field or lab. **See detail 1.**

Can also be used as pass through connectors for panel mounting.
Note: See the tip on page 85 for panel mounting hardware required.
See detail 3.

Socket Savers:

Extend the life of more expensive D-Sub connectors on PCBs and cable assemblies that are subject to frequent mating and unmating. **See detail 2.**

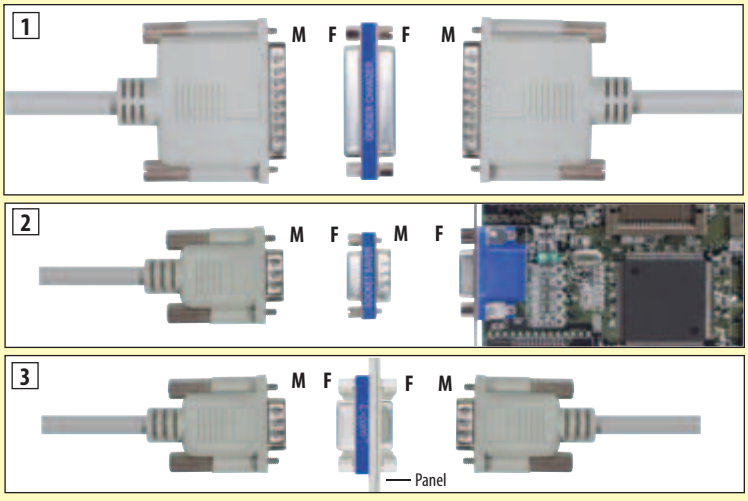
Can also be used as pass through connectors for panel mounting.

Null Modem, Reverser and Custom Wired Adapters:

Convert existing straight wired cables to the desired wiring scheme.

Can also be used for panel mounting.

Slim-Line adapters are used in a variety of applications, as illustrated here. Due to their low profile, they help reduce leverage strain on overstressed interface ports. (F = Female Connector, M = Male Connector)

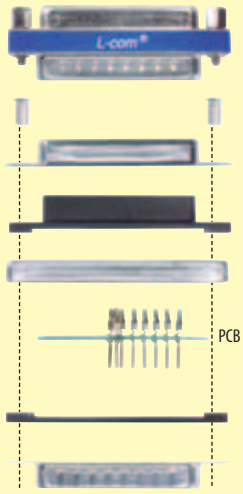


Tip

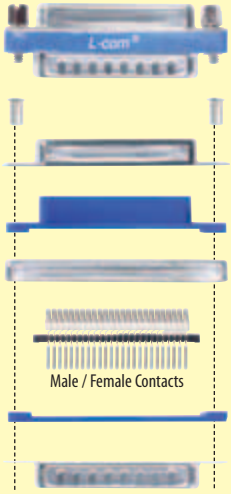
How slimline adapters are constructed

All slimline adapters are fully shielded providing EMI protection in electrically noisy environments. Gender Changers and Socket Savers use a one piece contact design ensuring reliability in applications requiring frequent connector mating/unmating. Standard mating hardware is easily removed and replaced for situations such as mismatched hardware, panel mounting, etc.

Adapters and Reversers

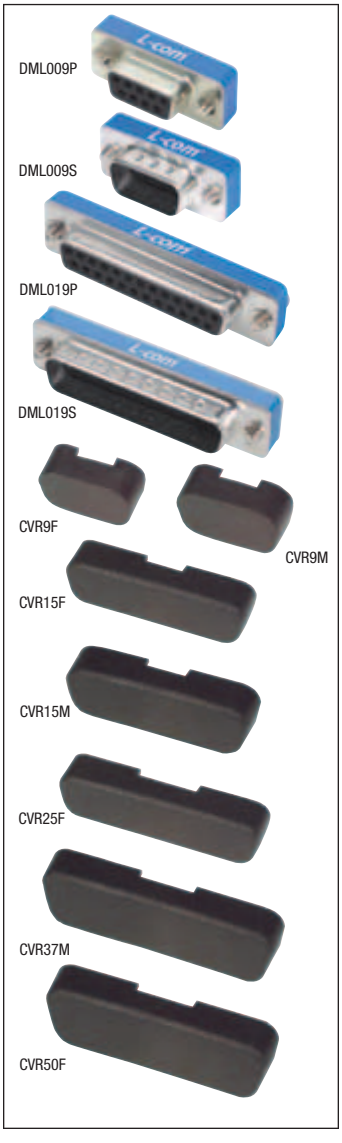


Gender Changer / Socket Saver



Mating Hardware	Brass, Nickel Plated
Durability Mating / Unmating	Approx. 100 cycles
Temperature Rating	-55°C to 105°C
Current Rating	5 amps max.
Voltage Rating	50 volts max.

Components	Materials
Hollow Rivet	Steel / Tin Plated
Female Connector Shell	Steel / Tin Plated
Female Connector Housing	Glass filled PBT, UL94 V-0 rated
Metal Shield	Steel / Tin Plated
Contacts	Brass / Gold Flash Plated
Male Connector Housing	Glass filled PBT, UL94 V-0 rated
Male Connector Shell	Steel / Tin Plated



Item #	Description	1-9	10-24	25-99	100-249	250-499

DB9 and DB25 Shielded Covers - Protect Ports from Contamination and EMI

These unique all metal covers provide port protection and shielding from EMI/RFI interference. Unlike other covers, the DML series is equipped with 4-40 screws for positive attachment and proper grounding.

DML009P	Shielded Cover for DB9M	1.59	1.46	1.34	1.21	1.08
DML009S	Shielded Cover for DB9F	1.59	1.46	1.34	1.21	1.08
DML019P	Shielded Cover for DB25M	1.59	1.46	1.34	1.21	1.08
DML019S	Shielded Cover for DB25F	1.59	1.46	1.34	1.21	1.08

D-Sub Connector Covers - Protect Unused Ports, Pkg/10

These covers are perfect for protecting unused ports, cables or any expensive equipment from physical damage, dirt, and dust. Made from RoHS compliant PVC, these covers attach easily and stay in place with a snug friction fit. Color is Black.

CVR9F	DB9/HD15 Protective Cover for Female Connectors, Pkg/10	6.75	6.21	5.67	5.13	4.59
CVR9M	DB9/HD15 Protective Cover for Male Connectors, Pkg/10	6.75	6.21	5.67	5.13	4.59
CVR15F	DB15/HD26 Protective Cover for Female Connectors, Pkg/10	6.75	6.21	5.67	5.13	4.59
CVR15M	DB15/HD26 Protective Cover for Male Connectors, Pkg/10	6.75	6.21	5.67	5.13	4.59
CVR25F	DB25/HD44 Protective Cover for Female Connectors, Pkg/10	6.75	6.21	5.67	5.13	4.59
CVR25M	DB25/HD44 Protective Cover for Male Connectors, Pkg/10	6.75	6.21	5.67	5.13	4.59
CVR37F	DB37/HD62 Protective Cover for Female Connectors, Pkg/10	6.75	6.21	5.67	5.13	4.59
CVR37M	DB37/HD62 Protective Cover for Male Connectors, Pkg/10	6.75	6.21	5.67	5.13	4.59
CVR50F	DB50/HD78 Protective Cover for Female Connectors, Pkg/10	6.75	6.21	5.67	5.13	4.59
CVR50M	DB50/HD78 Protective Cover for Male Connectors, Pkg/10	6.75	6.21	5.67	5.13	4.59

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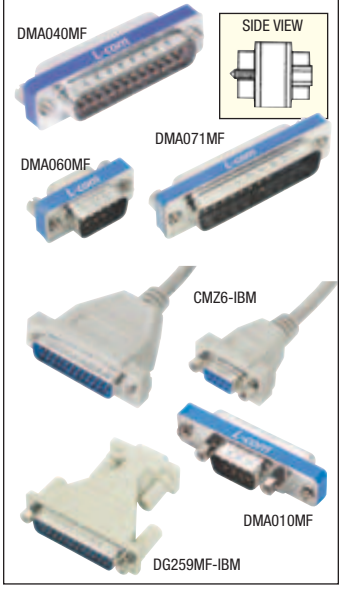
Assorted D-Sub Adapter Selection Matrix

Use this handy chart to locate the desired D-Sub adapter. Simply locate the connector sizes and genders along the top and intersect with the row showing the desired adapter style. If a specific adapter is not listed, please visit our website at **L-com.com** for the latest information and select Product Wizards at the top of our website or call our Technical Support Group at **800-343-1455** for assistance. Wiring schemes are listed near each adapter in the catalog or on the engineering drawing available on L-com's website.

ASSORTED D-SUB ADAPTER SELECTOR GUIDE

ADAPTER TYPE	DB9 MALE-DB25 FEMALE	DB9 FEMALE-DB25 MALE	DB9 FEMALE-DB25 FEMALE	DB9 MALE-DB9 FEMALE	DB25 MALE-DB25 FEMALE	DB9 FEMALE-HD15 MALE	DB9 MALE-HD15 MALE
AT MODEM	DG259FM-IBM DMA010MF	DG259MF-IBM DGL259MF-IBM DMA010FM	DGL259FF-IBM				
NULL MODEM				DMA060MF	DMA070MF DMA071MF DMA072MF DMA074MF		
REVERSER (Position 2 & 3)				DMA030MF	DMA040MF		
RGB MONITOR						DMB510MF DMB512MF	DMB510MM DMA100MM

See detailed drawings for wiring information at L-com.com



Item #	Description	1-9	10-24	25-99	100-249	250-499

Slim-Line DB9 or DB25 Null Modems, Adapters and Reversers - Communicate Without Modems

L-com's series of Null Modems and Reversers are completely shielded. More important, their extremely low profile reduces leverage strain and breakage on overstressed computer ports. The Null Modems shown are typical of our Slim-Line manufacturing technique. They are also available in virtually any wiring configuration.

DMA030MF	Slim-Line Reversing Adapter, Pins 2 and 3, DB9 Male / Female	5.95	5.36	4.76	4.17	3.57
DMA040MF	Slim-Line Reversing Adapter, Pins 2 and 3, DB25 Male / Female	6.95	6.25	5.56	4.87	4.17
DMA060MF	Slim-Line Null Modem Adapter, DB9 Male / Female	5.95	5.36	4.76	4.17	3.57
DMA070MF	Slim-Line Null Modem Adapter, DB25 Std. Handshake, Male / Female	6.95	6.25	5.56	4.87	4.17
DMA071MF	Slim-Line Null Modem Adapter, DB25 Full Handshake, Male / Female	6.95	6.25	5.56	4.87	4.17
DMA072MF	Slim-Line Null Modem Adapter, DB25 Auto Handshake, Male / Female	6.95	6.25	5.56	4.87	4.17
DMA074MF	Slim-Line Null Modem Adapter, DB25 Specialty, Male / Female	6.95	6.25	5.56	4.87	4.17

DB25-DB9 Serial Port Adapters and Cables - Change From 9 to 25 and Vice Versa

Does your PC have a DB9 serial port while your modem has a DB25? These handy adapters and cables can solve your interface problem. All are 100% shielded for applications where noise is abundant.

CMZ6-IBM	Molded AT Modem Cable, DB25 Male / DB9 Female, 6.0ft (1.8m)	7.50	6.90	6.30	5.70	5.10
CMZ10-IBM	Molded AT Modem Cable, DB25 Male / DB9 Female, 10.0ft (3.0m)	9.00	8.28	7.56	6.84	6.12
DG259FM-IBM	Molded AT Adapter, High Profile, DB25 Female / DB9 Male	5.95	5.36	4.76	4.17	3.57
DG259MF-IBM	Molded AT Adapter, High Profile, DB25 Male / DB9 Female	5.95	5.36	4.76	4.17	3.57
Note: DG types supplied with user removable hex nuts.						
DMA010MF	Slimline AT Adapter, DB25 Female / DB9 Male	5.95	5.36	4.76	4.17	3.57
DMA010FM	Slimline AT Adapter, DB25 Male / DB9 Female	5.95	5.36	4.76	4.17	3.57

Gender Changer and Socket Saver Selection Matrix

Use this handy chart to locate the desired gender changer or socket saver. Simply locate the connector size along the top (standard or filtered) and intersect with the row showing the desired connector genders. If a specific adapter is not listed, please visit our website at **L-com.com** for the latest information and select Product Wizards at the top of our website or call our Technical Support Group at **800-343-1455** for assistance.

GENDER CHANGER & SOCKET SAVER D-SUB ADAPTER SELECTOR GUIDE (ALL WIRING STRAIGHT THROUGH)

		STANDARD D-SUB									HIGH DENSITY D-SUB				
	INTERFACE	9 PIN D-SUB	9 PIN D-SUB FILTERED	15 PIN D-SUB	15 PIN D-SUB FILTERED	25 PIN D-SUB	25 PIN D-SUB FILTERED	37 PIN D-SUB	37 PIN D-SUB FILTERED	50 PIN D-SUB	15 PIN HIGH DENSITY	26 PIN HIGH DENSITY	44 PIN HIGH DENSITY	62 PIN HIGH DENSITY	78 PIN HIGH DENSITY
GENDER	FEMALE-FEMALE	DGB9F		DGB15F		DGB25F		DGB37F		DGB50F	DGBH15F DGBV15F* DMB521F	DGBH26F	DGBH44F	DGBH62F	DGBH78F
GENDER	MALE-MALE	DGB9M		DGB15M		DGB25M		DGB37M		DGB50M	DGBH15M DGBV15M* DMB520M	DGBH26M	DGBH44M	DGBH62M	DGBH78M
GENDER	MALE-FEMALE	DGB9MF DG909MF1 DG909MF2	DGF9MF DGFC9MF	DGB15MF	DGF15MF DGFC15MF	DG9025MF1 DG9025MF2 DGB25MF	DGF25MF DGFC25MF	DGB37MF	DGF37MF DGFC37MF	DGB50MF	DGBH15MF DG90H15MF1 DG90H15MF2 DGBV15MF*	DGBH26MF	DGBH44MF	DGBH62MF	DGBH78MF

*Pin 9 missing for older, legacy VGA applications.

L-com Global Connectivity

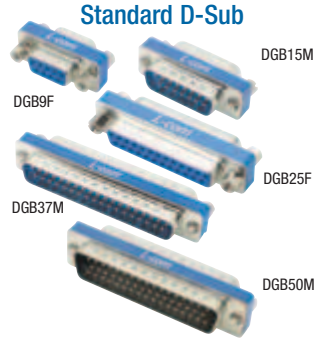
How slim-line adapters are constructed
See the tip and more at
L-com.com/SlimlineConstruction

Item #	Description	1-9	10-24	25-99	100-249	250-499
Slim-Line Gender Changer/Adapters - Reduce Port Receptacle Strain Up To 90%						
DGB9F	Slim-Line Gender Changer, DB9 Female / Female	4.95	4.46	3.96	3.46	2.97
DGB9M	Slim-Line Gender Changer, DB9 Male / Male	4.95	4.46	3.96	3.46	2.97
DGB15F	Slim-Line Gender Changer, DB15 Female / Female	5.95	5.36	4.76	4.17	3.57
DGB15M	Slim-Line Gender Changer, DB15 Male / Male	5.95	5.36	4.76	4.17	3.57
DGB25F	Slim-Line Gender Changer, DB25 Female / Female	6.95	6.25	5.56	4.87	4.17
DGB25M	Slim-Line Gender Changer, DB25 Male / Male	6.95	6.25	5.56	4.87	4.17
DGB37F	Slim-Line Gender Changer, DB37 Female / Female	8.95	8.05	7.16	6.26	5.37
DGB37M	Slim-Line Gender Changer, DB37 Male / Male	8.95	8.05	7.16	6.26	5.37
DGB50F	Slim-Line Gender Changer, DB50 Female / Female	10.95	9.86	8.76	7.66	6.57
DGB50M	Slim-Line Gender Changer, DB50 Male / Male	10.95	9.86	8.76	7.66	6.57
Socket Saver Adapters - Extend D-Sub Connector Usage and Avoid Major Repairs						
DGB9MF	Slim-Line Socket Saver, DB9 Male / Female	4.95	4.46	3.96	3.46	2.97
DGB15MF	Slim-Line Socket Saver, DB15 Male / Female	5.95	5.36	4.76	4.17	3.57
DGB25MF	Slim-Line Socket Saver, DB25 Male / Female	6.95	6.25	5.56	4.87	4.17
DGB37MF	Slim-Line Socket Saver, DB37 Male / Female	8.95	8.05	7.16	6.26	5.37
DGB50MF	Slim-Line Socket Saver, DB50 Male / Female	10.95	9.86	8.76	7.66	6.57
High-Density Slim-Line Gender Changers - Same Small Size for High-Density D-Subs						
DGBH15F	Slim-Line Gender Changer, HD15 Female / Female	7.95	7.16	6.36	5.56	4.77
DGBH15M	Slim-Line Gender Changer, HD15 Male / Male	7.95	7.16	6.36	5.56	4.77
DGBH26F	Slim-Line Gender Changer, HD26 Female / Female	8.95	8.05	7.16	6.26	5.37
DGBH26M	Slim-Line Gender Changer, HD26 Male / Male	8.95	8.05	7.16	6.26	5.37
DGBH44F	Slim-Line Gender Changer, HD44 Female / Female	9.95	8.96	7.96	6.96	5.97
DGBH44M	Slim-Line Gender Changer, HD44 Male / Male	9.95	8.96	7.96	6.96	5.97
DGBH62F	Slim-Line Gender Changer, HD62 Female / Female	12.95	11.65	10.36	9.06	7.77
DGBH62M	Slim-Line Gender Changer, HD62 Male / Male	12.95	11.65	10.36	9.06	7.77
DGBH78F	Slim-Line Gender Changer, HD78 Female / Female	13.95	12.55	11.16	9.76	8.37
DGBH78M	Slim-Line Gender Changer, HD78 Male / Male	13.95	12.55	11.16	9.76	8.37
High-Density Socket Saver Adapters - Great for Preventing Wear on High-Density Connectors						
DGBH15MF	Slim-Line Socket Saver, HD15 Male / Female	7.95	7.16	6.36	5.56	4.77
DGBH26MF	Slim-Line Socket Saver, HD26 Male / Female	8.95	8.05	7.16	6.26	5.37
DGBH44MF	Slim-Line Socket Saver, HD44 Male / Female	9.95	8.96	7.96	6.96	5.97
DGBH62MF	Slim-Line Socket Saver, HD62 Male / Female	12.95	11.65	10.36	9.06	7.77
DGBH78MF	Slim-Line Socket Saver, HD78 Male / Female	13.95	12.55	11.16	9.76	8.37
Slim-Line Gender Changer/Adapters - with Pin 9 Missing for Legacy VGA Cable Applications						
DGBV15F	Slim-Line Gender Changer, HD15 Female / Female	7.95	7.16	6.36	5.56	4.77
DGBV15M	Slim-Line Gender Changer, HD15 Male / Male	7.95	7.16	6.36	5.56	4.77
DGBV15MF	Slim-Line Socket Saver, HD15 Male / Female	7.95	7.16	6.36	5.56	4.77
DMA100MM	PS-2 Monitor Adapter, DB9 Male / HD15 Male	7.55	6.80	6.04	5.28	4.53
Slim-Line Gender Changers and Socket Saver - Typical Centronic 36 and SCSI/Telco 50						
DGC36F	Slim-Line Centronic Gender Changer, 36 Pin Female / Female	9.65	8.69	7.72	6.75	5.79
DGC36M	Slim-Line Centronic Gender Changer, 36 Pin Male / Male	9.65	8.69	7.72	6.75	5.79
DGC50F	Slim-Line SCSI Gender Changer, 50 Pin Female / Female	10.95	9.86	8.76	7.66	6.57
DGC50M	Slim-Line SCSI Gender Changer, 50 Pin Male / Male	10.95	9.86	8.76	7.66	6.57
DGC50MF	Slim-Line SCSI Socket Saver, 50 Pin Male / Female	10.95	9.86	8.76	7.66	6.57
D-Sub Gender Changer Assortment Kit - Never Have a Mismatched Data Cable Again						
DGB1010K	Slim-Line Gender Changer Kit, 8 Pieces	49.95	44.96	39.96	34.96	29.97
DGBH1010K	Hi-Density Gender Changer Kit, 8 Pieces	69.95	62.96	55.96	48.96	41.97
Slim-Line Loopback Test Plugs - Emulate Working Conditions for Your Testing Needs						
DMA019S	Slim-Line Parallel Loopback Plug, DB25 Male	6.95	6.25	5.56	4.87	4.17
DMA021T	Slim-Line Loopback Plug, DB9 Female	6.95	6.25	5.56	4.87	4.17
Serial Loopback Tester - Creates Handshaking for DB25 or DB9 Serial Ports						
MA259-IBM	Serial Loopback Tester, DB25 Female / DB9 Female	9.95	9.15	8.36	7.56	6.77

Each of these assortment kits have a total of 8 adapters for just about every D-Sub cable correction. DGB1010K includes: DB9, DB15, DB25 and DB37; the DGBH1010K high-density kit includes DGBH15, DGBH26, DGBH44 and DGBH62, each in male/male and female/female versions.

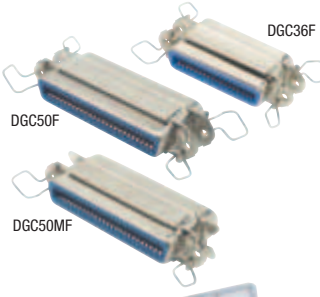
This handy loopback tester comes complete with DB9 and DB25 female connectors to interface with any PC serial port. They are useful for diagnosing problems with serial interfaces.

Standard D-Sub



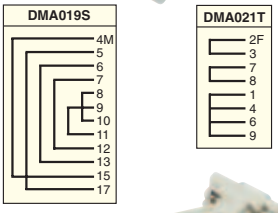
High-Density D-Sub







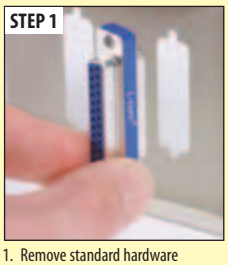




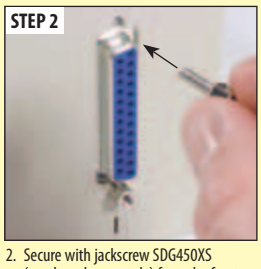


Easily panel mount adapters

Online Video
L-com.com/Videos/A03



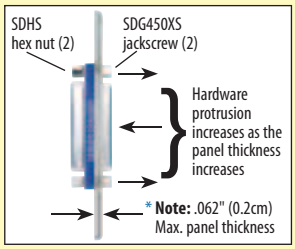
1. Remove standard hardware provided with adapter. Mount adapter from rear of panel.



2. Secure with jackscrew SDG450XS (purchased separately) from the front of the panel.



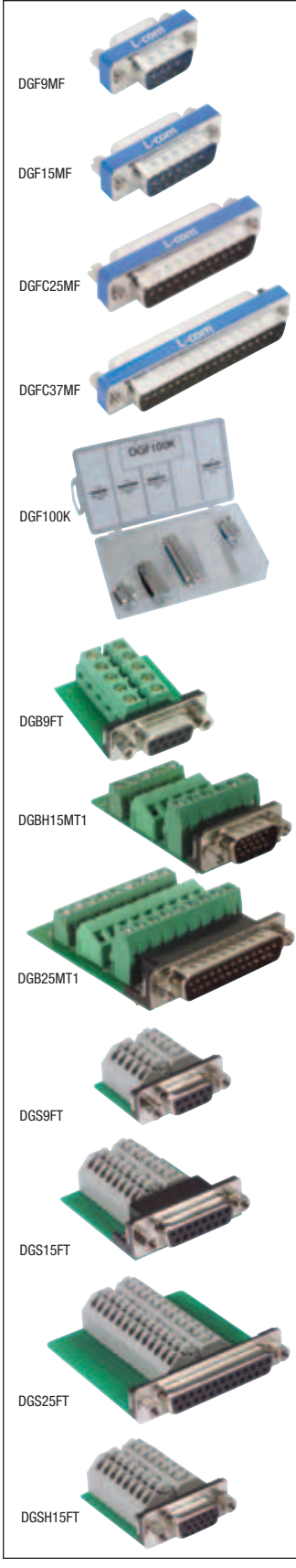
3. Thread hex nut SDHS (purchased separately) onto exposed threads of SDG450XS.



***Note:** Maximum recommended panel thickness is 0.062" (0.2cm). Dimensions in excess of 0.062" (0.2cm) can limit proper cable mating due to hex nut protrusion. Panels exceeding 0.062" (0.2cm) can be milled down to the recommended thickness in the area around the adapter.

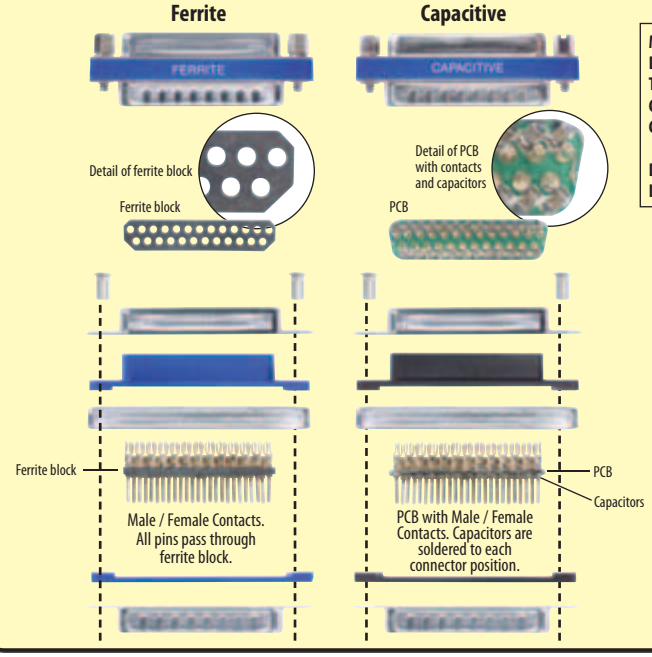
How to panel mount adapters
See the free video tip and more at
L-com.com/Videos/A03

L-com Global Connectivity



Tip How filter adapters are constructed

Filtered adapters provide a cost effective method for reducing electromagnetic interference (EMI) and can help to avoid costly product redesigns. L-com offers two styles of filtered adapters, **Ferrite** and **Capacitive**.



Mating Hardware	Brass, Nickel Plated
Durability Mating / Unmating	Approx. 100 cycles
Temperature Rating	-55°C to 105°C
Current Rating	5 amps max.
Capacitors (Ceramic)	820 pf ± 10% Voltage 100 VDC
Dielectric Withstanding Voltage	500 VDC, 1 minute
Insulation Resistance	500m Ohms @ 100 VDC

Components	Materials
Hollow Rivet	Steel / Tin Plated
Female Connector Shell	Steel / Tin Plated
Female Connector Housing	Glass filled PBT, UL94 V-0 rated
Metal Shield	Steel / Tin Plated
Contacts	Brass / gold flash plated
Male Connector Housing	Glass filled PBT, UL94 V-0 rated
Male Connector Shell	Steel / Tin Plated

Item #	Description	1-9	10-24	25-99	100-249	250-499

Slim-Line Block Ferrite Filter Adapters - Eliminate Problem EMI in Computing Devices

L-com's plug-receptacle feed-thru adapter is a viable alternative solution for companies that need to rework (retrofit) existing designs in their effort to meet FCC regulations. Use these filtered D-Sub adapters where it's necessary to limit electromagnetic interference (EMI). Easy installation, economical cost, low profile and fully shielded. Four D-Sub sizes available, supplied with male/female hardware. Engineer's kit is also available and contains one of each adapter in a plastic carrying case.

DGF9MF	Ferrite Filter (EMI) Adapter, DB9 Male / Female	7.95	7.31	6.68	6.04	5.41
DGF15MF	Ferrite Filter (EMI) Adapter, DB15 Male / Female	8.95	8.23	7.52	6.80	6.09
DGF25MF	Ferrite Filter (EMI) Adapter, DB25 Male / Female	9.95	9.15	8.36	7.56	6.77
DGF37MF	Ferrite Filter (EMI) Adapter, DB37 Male / Female	11.95	10.99	10.04	9.08	8.13
DGF100K	Engineer's Kit with 4 EMI Adapters	38.95	35.83	32.72	29.60	26.49

Slim-Line Ceramic Capacitive Filter Adapters - For Excellent, Economical Noise Removal

Filtering is the simplest method of removing unwanted interference from within a circuit. A capacitive filter is built into a male/female D-Sub adapter that provides an easy-to-use retrofit adapter. Although reasonably priced, there is a cost associated with capacitors and that is signal degradation, particularly in CMOS circuits with extremely low signal levels. Systems that transmit strong signals and can tolerate moderate loss are well suited for capacitive filtering. Our compact design allows an extremely low profile of only 0.2" (0.5cm). Individual capacitance on each pin is 820pF. Also available in an engineer's kit of 4 adapters.

DGFC9MF	Capacitive Filter (EMC) Adapter, DB9 Male / Female	8.95	8.23	7.52	6.80	6.09
DGFC15MF	Capacitive Filter (EMC) Adapter, DB15 Male / Female	10.95	10.07	9.20	8.32	7.45
DGFC25MF	Capacitive Filter (EMC) Adapter, DB25 Male / Female	13.95	12.83	11.72	10.60	9.49
DGFC37MF	Capacitive Filter (EMC) Adapter, DB37 Male / Female	20.95	19.27	17.60	15.92	14.25
DGFC100K	Engineer's Kit with 4 EMC Adapters	53.95	49.63	45.32	41.00	36.69

DB9, DB15, DB25 or HD15 Connectors for Field Termination - Panel Mountable, Male or Female

These field termination connectors provide an easy and convenient way to perform field termination of any DB9, DB15, DB25 or HD15 cable. Separate connection points are provided for all positions of the connector plus the ground. Terminal block design with set screws provides reliable electrical connections without special tools. The terminal block area is clearly marked making proper termination virtually foolproof. Panel mountable for thickness up to 0.062" (0.5cm). Please note the orientation of the terminal blocks on the new male connectors.

DGB9FT	DB9 Female Connector for Field Termination	8.25	7.75	7.26	6.77	6.27
DGB15FT	DB15 Female Connector for Field Termination	9.75	9.16	8.58	8.00	7.41
DGB25FT	DB25 Female Connector for Field Termination	12.00	11.28	10.56	9.84	9.12
DGBH15FT	SVGA HD15 Female Connector for Field Termination	10.00	9.40	8.80	8.20	7.60
DGB9MT1	DB9 Male Connector for Field Termination	8.25	7.75	7.26	6.77	6.27
DGB15MT1	DB15 Male Connector for Field Termination	9.75	9.16	8.58	8.00	7.41
DGB25MT1	DB25 Male Connector for Field Termination	12.00	11.28	10.56	9.84	9.12
DGBH15MT1	SVGA HD15 Male Connector for Field Termination	10.00	9.40	8.80	8.20	7.60

DB9, DB15, DB25 or HD15 Female Connectors for Field Termination with Screwless Terminal Block

These field termination female connectors provide an easy and convenient way to perform field termination of any cable. Separate connection points are provided for all positions of the connector plus the ground. Screwless terminal block design with spring clamp provides reliable electrical connections utilizing no special tools. Simply depress the spring clamp, insert wire, release and the wire is secure. The terminal block area is clearly marked making proper termination virtually foolproof. Panel mountable for thickness up to 0.062".

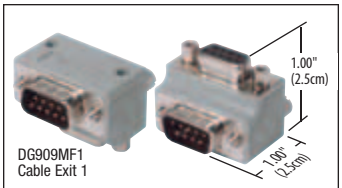
DGS9FT	DB9 Female Connector for Field Termination	8.75	8.22	7.70	7.18	6.65
DGS15FT	DB15 Female Connector for Field Termination	10.25	9.63	9.02	8.41	7.79
DGS25FT	DB25 Female Connector for Field Termination	12.75	11.98	11.22	10.46	9.69
DGSH15FT	HD15 Female Connector for Field Termination	10.50	9.87	9.24	8.61	7.98

L-com Global Connectivity

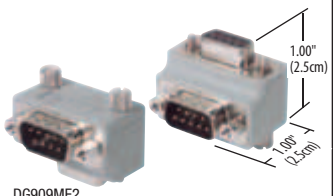
We answer your technical questions
See a complete list of frequently asked questions at L-com.com/FAQS

DB9, HD15, DB15, DB25 and DB37 Low Profile Right Angle Adapters - Molded and Fully Shielded

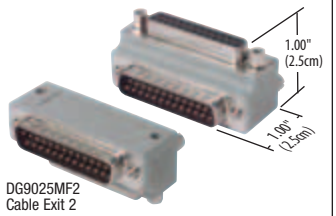
Item #	Description	1-9	10-24	25-99	100-249	250-499
DG909MF1	Low Profile Right Angle Adapter, DB9 Male / Female, Cable Exit 1	7.00	6.58	6.16	5.74	5.32
DG909MF2	Low Profile Right Angle Adapter, DB9 Male / Female, Cable Exit 2	7.00	6.58	6.16	5.74	5.32
DG909MF3	Low Profile Right Angle Adapter, DB9 Male / Female, Cable Exit 3	7.00	6.58	6.16	5.74	5.32
DG90H15MF1	Low Profile Right Angle Adapter, HD15 Male / Female, Cable Exit 1	8.00	7.52	7.04	6.56	6.08
DG90H15MF2	Low Profile Right Angle Adapter, HD15 Male / Female, Cable Exit 2	8.00	7.52	7.04	6.56	6.08
DG90H15MF3	Low Profile Right Angle Adapter, HD15 Male / Female, Cable Exit 3	8.00	7.52	7.04	6.56	6.08
DG9015MF1	Low Profile Right Angle Adapter, DB15 Male / Female, Cable Exit 1	8.00	7.52	7.04	6.56	6.08
DG9015MF2	Low Profile Right Angle Adapter, DB15 Male / Female, Cable Exit 2	8.00	7.52	7.04	6.56	6.08
DG9015MF3	Low Profile Right Angle Adapter, DB15 Male / Female, Cable Exit 3	8.00	7.52	7.04	6.56	6.08
DG9025MF1	Low Profile Right Angle Adapter, DB25 Male / Female, Cable Exit 1	10.00	9.40	8.80	8.20	7.60
DG9025MF2	Low Profile Right Angle Adapter, DB25 Male / Female, Cable Exit 2	10.00	9.40	8.80	8.20	7.60
DG9025MF3	Low Profile Right Angle Adapter, DB25 Male / Female, Cable Exit 3	10.00	9.40	8.80	8.20	7.60
DG9037MF1	Low Profile Right Angle Adapter, DB37 Male / Female, Cable Exit 1	12.00	11.28	10.56	9.84	9.12
DG9037MF2	Low Profile Right Angle Adapter, DB37 Male / Female, Cable Exit 2	12.00	11.28	10.56	9.84	9.12
DG9037MF3	Low Profile Right Angle Adapter, DB37 Male / Female, Cable Exit 3	12.00	11.28	10.56	9.84	9.12



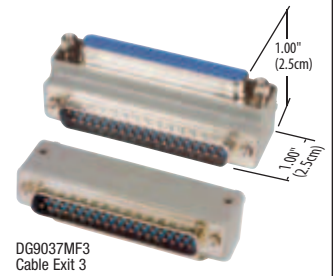
DG909MF1
Cable Exit 1



DG909MF2
Cable Exit 2



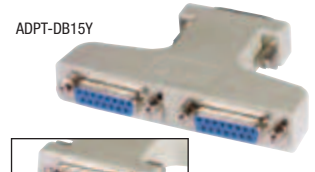
DG9025MF2
Cable Exit 2

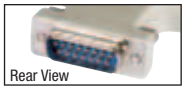


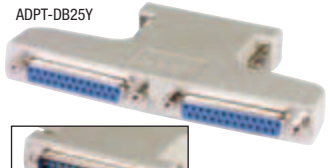
DG9037MF3
Cable Exit 3

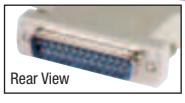

ADPT-DB9Y


Rear View


ADPT-DB15Y


Rear View

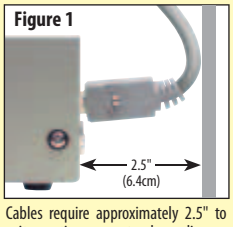

ADPT-DB25Y


Rear View

Tip ***How are right angle adapters used?***

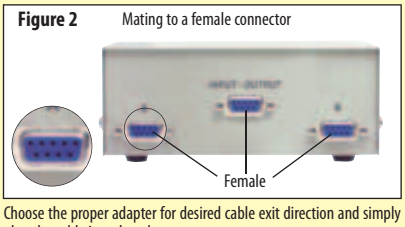
Right angle adapters assist in connecting cables in tight spaces by allowing the cable to mate at a 90 degree angle. This reduces the backshell and cable bend distance required when mating cables. L-com offers right angle adapters in DB9, DB15, DB25, DB37 and HD15 male to female configurations with three cable exit directions each. Hardware is reversible allowing for use in virtually any application.

Figure 1



Cables require approximately 2.5" to exit a mating connector depending on backshell length and cable diameter/ flexibility.

Figure 2 Mating to a female connector



Choose the proper adapter for desired cable exit direction and simply plug the cable into the adapter.

Figure 3
Mating to a female connector

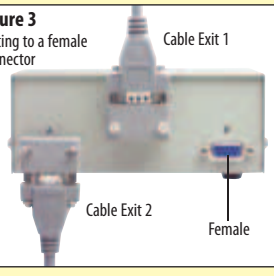
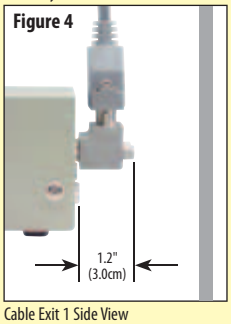


Figure 4

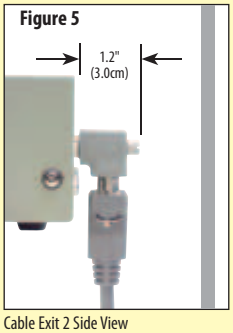


Cable Exit 1 Side View

DG909MF1
Cable Exit 1

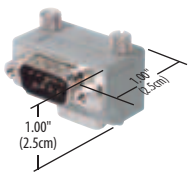


Figure 5



Cable Exit 2 Side View

DG909MF2
Cable Exit 2



Cable Exit 3 allows the user to rotate the female connector 180° compared to Cable Exits 1 and 2.

DG909MF3
Cable Exit 3

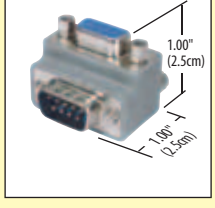
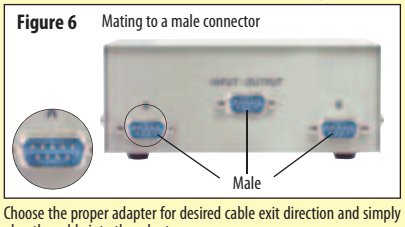
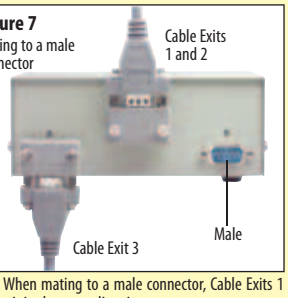


Figure 6 Mating to a male connector



Choose the proper adapter for desired cable exit direction and simply plug the cable into the adapter.

Figure 7
Mating to a male connector



Note: When mating to a male connector, Cable Exits 1 and 2 exit in the same direction.

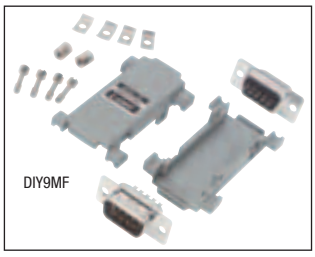
Y Adapters / Splitters for DB9, DB15 and DB25 Connector Sizes

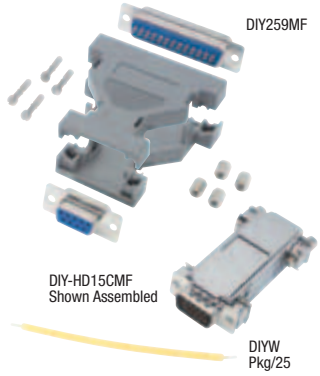
These handy Y adapters are wired straight through for applications requiring splitting signals. The single end is male while the dual/split end is female for easy attachment to standard cable assemblies. The housing is fully shielded to maintain EMI protection and the contacts are 30 microinch gold plated allowing for many mating cycles. Color is light gray.

ADPT-DB9Y	Y Splitter Adapter, DB9M - DB9F & DB9F	9.50	9.12	8.74	8.36	7.98
ADPT-DB15Y	Y Splitter Adapter, DB15M - DB15F & DB15F	11.00	10.56	10.12	9.68	9.24
ADPT-DB25Y	Y Splitter Adapter, DB25M - DB25F & DB25F	14.00	13.44	12.88	12.32	11.76

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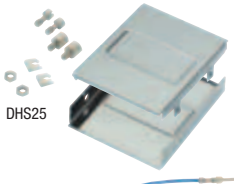

DIY9MF


DIY259MF

DIY-HD15CMF
Shown Assembled

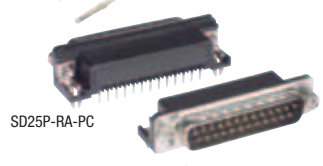
DIYW
Pkg/25

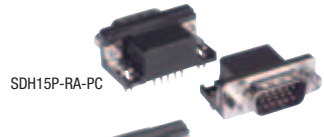

DHP25B


DHS25

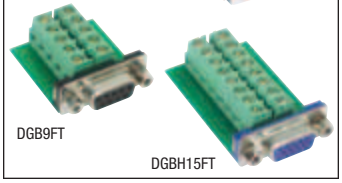

RA50M
Pkg/10

RA50FMF
Pkg/10


SD25P-RA-PC


SDH15P-RA-PC


SD9S-RA-PC


DGB9FT

DGBH15FT

Item #	Description	1-9	10-24	25-99	100-249	250-499

Do-It-Yourself Kits - Everything You Need to Build Your Own Data Line Adapters

Allows the creation of many types of data line adapters. Utilizes the most popular D-Subminiature connectors with solder cup terminations. Simply solder short wire jumpers to pins of your choice. The following components are included in each kit: two D-Sub Connectors of appropriate size and gender, two snap-on half covers and a complete set of hardware for the connectors. No jumper wires are supplied.

DIY9MF	Do-It-Yourself Kit, DB9 Male / Female	6.60	6.07	5.54	5.02	4.49
DIY9MM	Do-It-Yourself Kit, DB9 Male / Male	6.45	5.93	5.42	4.90	4.39
DIY9FF	Do-It-Yourself Kit, DB9 Female / Female	6.75	6.21	5.67	5.13	4.59
DIY15MF	Do-It-Yourself Kit, DB15 Male / Female	7.25	6.67	6.09	5.51	4.93
DIY15MM	Do-It-Yourself Kit, DB15 Male / Male	7.10	6.53	5.96	5.40	4.83
DIY15FF	Do-It-Yourself Kit, DB15 Female / Female	7.40	6.81	6.22	5.62	5.03
DIY25MF	Do-It-Yourself Kit, DB25 Male / Female	8.10	7.45	6.80	6.16	5.51
DIY25MM	Do-It-Yourself Kit, DB25 Male / Male	7.95	7.31	6.68	6.04	5.41
DIY25FF	Do-It-Yourself Kit, DB25 Female / Female	8.25	7.59	6.93	6.27	5.61
DIY259MF	Do-It-Yourself Kit, DB25 Male / DB9 Female	6.75	6.21	5.67	5.13	4.59
DIY259FF	Do-It-Yourself Kit, DB25 Female / DB9 Female	6.90	6.35	5.80	5.24	4.69
DIY259MM	Do-It-Yourself Kit, DB25 Male / DB9 Male	6.60	6.07	5.54	5.02	4.49
DIY9CMF	Metalized DIY Kit, DB9 Male / Female	6.95	6.39	5.84	5.28	4.73
DIY-HD15CMF	Metalized DIY Kit, HD15 Male / Female	7.95	7.31	6.68	6.04	5.41
DIYW	Pre-tinned Jumpers, Pkg/25	2.00	1.96	1.92	1.88	1.84

Data Jumper Box Kits - Include a PC Board to Simplify Data Line Adapter Design

Every pin of the male or female D-Subminiature connector terminates to solder pads with drilled holes on each end of the adapters' PC board to make connection easy. Supplied with ten wires already stripped and tinned for permanent wiring to suit your needs.

DJB9MF	Plastic PCB Jumper Box, DB9 Male / Female	9.25	8.51	7.77	7.03	6.29
DJB15MF	Plastic PCB Jumper Box, DB15 Male / Female	10.45	9.61	8.78	7.94	7.11
DJB25MF	Plastic PCB Jumper Box, DB25 Male / Female	11.65	10.72	9.79	8.85	7.92

Plastic D-Sub Half Cover Pairs - Popular Accessory to Assemble Custom Adapters

Choosing these D-Sub half cover pairs will satisfy most of your custom adapter requirements. These covers feature UL94V-0 rated plastic and are available in Gray or Black. They are supplied with the appropriate hardware to allow male/female or male/male cable connections. For female/female applications, you'll need two (2) additional hex standoffs (page 97).

DHP9G	Half Cover Pair, DB9, Gray Plastic	1.95	1.79	1.64	1.48	1.33
DHP15G	Half Cover Pair, DB15, Gray Plastic	2.15	1.98	1.81	1.63	1.46
DHP25G	Half Cover Pair, DB25, Gray Plastic	2.25	2.07	1.89	1.71	1.53
DHP9B	Half Cover Pair, DB9, Black Plastic	1.95	1.79	1.64	1.48	1.33
DHP15B	Half Cover Pair, DB15, Black Plastic	2.15	1.98	1.81	1.63	1.46
DHP25B	Half Cover Pair, DB25, Black Plastic	2.25	2.07	1.89	1.71	1.53

All Metal DB9 and DB25 Half Cover Pairs - Satisfy the Need for Being Compact and Rugged

The special design of these covers provides a smart look in adapter creation. All steel to take much abuse, with a heavy chrome plate to add attractiveness. Snaps together and comes apart easily. They are supplied with appropriate cable connector fastening hardware for male/female connections. See page 97 for additional hardware.

DHS9	Half Cover Pair, DB9, Nickel Plated Steel	2.85	2.74	2.62	2.51	2.39
DHS25	Half Cover Pair, DB25, Nickel Plated Steel	2.95	2.83	2.71	2.60	2.48

Crimp & Poke Style Straight and Y Jumper Wires - Sold Only in Packs of 10

RA50M	Straight Jumper Wires, Male / Male, Pkg/10	2.99	2.75	2.51	2.27	CALL
RA50F	Straight Jumper Wires, Female / Female, Pkg/10	2.99	2.75	2.51	2.27	CALL
RA50MF	Straight Jumper Wires, Male / Female, Pkg/10	2.99	2.75	2.51	2.27	CALL
RA50MFM	Y Jumper Wires, Male / Female / Male, Pkg/10	3.99	3.67	3.35	3.03	CALL
RA50FMF	Y Jumper Wires, Female / Male / Female, Pkg/10	3.99	3.67	3.35	3.03	CALL
RA50FFF	Y Jumper Wires, Female / Female / Female, Pkg/10	3.99	3.67	3.35	3.03	CALL

Right Angle D-Sub PCB Connectors - 10 Connectors per Tray

Right angle PCB connectors are popular for many I/O applications. Board locks provide a secure PCB connection and easy soldering every time. Connectors are available in DB9, DB15, DB25, DB37 and HD15 sizes.

SD9P-RA-PC	Right Angle PCB D-Sub Connector, DB9 Male, Tray of 10	11.20	10.30	9.41	8.51	7.62
SD15P-RA-PC	Right Angle PCB D-Sub Connector, DB15 Male, Tray of 10	13.20	12.14	11.09	10.03	8.98
SD25P-RA-PC	Right Angle PCB D-Sub Connector, DB25 Male, Tray of 10	18.40	16.93	15.46	13.98	12.51
SD37P-RA-PC	Right Angle PCB D-Sub Connector, DB37 Male, Tray of 10	25.60	23.55	21.50	19.46	17.41
SDH15P-RA-PC	Right Angle PCB D-Sub Connector, HD15 Male, Tray of 10	16.00	14.72	13.44	12.16	10.88
SD9S-RA-PC	Right Angle PCB D-Sub Connector, DB9 Female, Tray of 10	11.20	10.30	9.41	8.51	7.62
SD15S-RA-PC	Right Angle PCB D-Sub Connector, DB15 Female, Tray of 10	13.20	12.14	11.09	10.03	8.98
SD25S-RA-PC	Right Angle PCB D-Sub Connector, DB25 Female, Tray of 10	18.40	16.93	15.46	13.98	12.51
SD37S-RA-PC	Right Angle PCB D-Sub Connector, DB37 Female, Tray of 10	25.60	23.55	21.50	19.46	17.41
SDH15S-RA-PC	Right Angle PCB D-Sub Connector, HD15 Female, Tray of 10	16.00	14.72	13.44	12.16	10.88

DB9, DB15, DB25 or HD15 Connectors for Field Termination - Panel Mountable

These field termination connectors provide an easy and convenient way to perform field termination of any DB9, DB15, DB25 or HD15 cable. Separate connection points are provided for all positions of the connector plus the ground. Terminal block design with set screws provides reliable electrical connections without special tools. The terminal block area is clearly marked making proper termination virtually foolproof. Panel mountable for thickness up to 0.062" (0.5cm).

DGB9FT	DB9 Female Connector for Field Termination	8.25	7.75	7.26	6.77	6.27
DGB15FT	DB15 Female Connector for Field Termination	9.75	9.16	8.58	8.00	7.41
DGB25FT	DB25 Female Connector for Field Termination	12.00	11.28	10.56	9.84	9.12
DGBH15FT	SVGA HD15 Female Connector for Field Termination	10.00	9.40	8.80	8.20	7.60

NOTE:
The adapter kits shown on these pages are also available completely wired and optionally provided with internal jumpers and circuit components. Your Sales Representative will be happy to address your needs.

L-com® Global Connectivity

Free technical support
Call toll free at 1-800-343-1455
if you have questions about your application

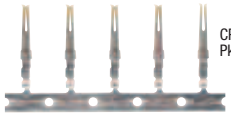
Item #	Description	1-9	10-24	25-99	100-249	250-499
D-Sub Connectors - Choose from Solder Cup, Insertion Style or PC Termination Style Individually Packaged						
These D-Sub connectors conform to commercial industry standards and will mate with any opposite gender D-Sub connector. Contact plating is gold flash, connector insulator is UL94V-0 rated.						
SD9P	Solder Cup D-Sub Connector, DB9 Male	1.10	1.01	0.92	0.84	0.75
SD15P	Solder Cup D-Sub Connector, DB15 Male	1.25	1.15	1.05	0.95	0.85
SD25P	Solder Cup D-Sub Connector, DB25 Male	1.45	1.33	1.22	1.10	0.99
SD37P	Solder Cup D-Sub Connector, DB37 Male	4.40	4.05	3.70	3.34	2.99
SD50P	Solder Cup D-Sub Connector, DB50 Male	5.60	5.15	4.70	4.26	3.81
SD9S	Solder Cup D-Sub Connector, DB9 Female	1.15	1.06	0.97	0.87	0.78
SD15S	Solder Cup D-Sub Connector, DB15 Female	1.30	1.20	1.09	0.99	0.88
SD25S	Solder Cup D-Sub Connector, DB25 Female	1.55	1.43	1.30	1.18	1.05
SD37S	Solder Cup D-Sub Connector, DB37 Female	4.65	4.28	3.91	3.53	3.16
SD50S	Solder Cup D-Sub Connector, DB50 Female	5.90	5.43	4.96	4.48	4.01
Solder Cup High-Density D-Subminiature Connectors - Accept up to 22 AWG Wires						
SDH15P	Solder Cup D-Sub Connector, HD15 Male	1.80	1.66	1.51	1.37	1.22
SDH26P	Solder Cup D-Sub Connector, HD26 Male	3.00	2.76	2.52	2.28	2.04
SDH44P	Solder Cup D-Sub Connector, HD44 Male	5.15	4.74	4.33	3.91	3.50
SDH62P	Solder Cup D-Sub Connector, HD62 Male	6.25	5.75	5.25	4.75	4.25
SDH78P	Solder Cup D-Sub Connector, HD78 Male	7.50	6.90	6.30	5.70	5.10
SDH15S	Solder Cup D-Sub Connector, HD15 Female	1.90	1.75	1.60	1.44	1.29
SDH26S	Solder Cup D-Sub Connector, HD26 Female	3.15	2.90	2.65	2.39	2.14
SDH44S	Solder Cup D-Sub Connector, HD44 Female	5.35	4.92	4.49	4.07	3.64
SDH62S	Solder Cup D-Sub Connector, HD62 Female	6.45	5.93	5.42	4.90	4.39
SDH78S	Solder Cup D-Sub Connector, HD78 Female	7.80	7.18	6.55	5.93	5.30
PC Termination D-Subminiature Connectors - Male and Female Genders						
SD9P-PC	PC Termination D-Sub Connector, DB9 Male	1.60	1.47	1.34	1.22	1.09
SD15P-PC	PC Termination D-Sub Connector, DB15 Male	2.35	2.16	1.97	1.79	1.60
SD25P-PC	PC Termination D-Sub Connector, DB25 Male	2.95	2.71	2.48	2.24	2.01
SD37P-PC	PC Termination D-Sub Connector, DB37 Male	5.65	5.20	4.75	4.29	3.84
SD9S-PC	PC Termination D-Sub Connector, DB9 Female	1.65	1.52	1.39	1.25	1.12
SD15S-PC	PC Termination D-Sub Connector, DB15 Female	2.40	2.21	2.02	1.82	1.63
SD25S-PC	PC Termination D-Sub Connector, DB25 Female	3.05	2.81	2.56	2.32	2.07
SD37S-PC	PC Termination D-Sub Connector, DB37 Female	5.85	5.38	4.91	4.45	3.98
Insertion Style D-Sub Connectors Accept Industry Standard Pins and Sockets						
C&P9M	Insertion Type D-Sub Connector, DB9 Male	0.70	0.64	0.59	0.53	0.48
C&P15M	Insertion Type D-Sub Connector, DB15 Male	0.80	0.74	0.67	0.61	0.54
C&P25M	Insertion Type D-Sub Connector, DB25 Male	0.90	0.83	0.76	0.68	0.61
C&P37M	Insertion Type D-Sub Connector, DB37 Male	2.45	2.25	2.06	1.86	1.67
C&P50M	Insertion Type D-Sub Connector, DB50 Male	4.05	3.73	3.40	3.08	2.75
C&P9F	Insertion Type D-Sub Connector, DB9 Female	0.80	0.74	0.67	0.61	0.54
C&P15F	Insertion Type D-Sub Connector, DB15 Female	0.90	0.83	0.76	0.68	0.61
C&P25F	Insertion Type D-Sub Connector, DB25 Female	1.00	0.92	0.84	0.76	0.68
C&P37F	Insertion Type D-Sub Connector, DB37 Female	2.55	2.35	2.14	1.94	1.73
C&P50F	Insertion Type D-Sub Connector, DB50 Female	4.15	3.82	3.49	3.15	2.82
D-Sub and HD Style Bulk Packaged Connectors - Solder and Crimp Styles						
Save time and money with these D-Sub and HD style connector multi packs. Packed in convenient trays, these connectors are ideal for high volume production. Offered in both solder and crimp versions these connectors are perfect for all of your cable termination needs.						
SD9P-TRAY	Solder Cup D-Sub Connector, DB9 Male, Tray of 50	38.50	35.42	32.34	29.26	26.18
SD15P-TRAY	Solder Cup D-Sub Connector, DB15 Male, Tray of 70	61.25	56.35	51.45	46.55	41.65
SD25P-TRAY	Solder Cup D-Sub Connector, DB25 Male, Tray of 50	50.75	46.69	42.63	38.57	34.51
SD37P-TRAY	Solder Cup D-Sub Connector, DB37 Male, Tray of 40	123.20	113.34	103.49	93.63	83.78
SD50P-TRAY	Solder Cup D-Sub Connector, DB50 Male, Tray of 40	156.80	144.26	131.71	119.17	106.62
SD9S-TRAY	Solder Cup D-Sub Connector, DB9 Female, Tray of 50	40.25	37.03	33.81	30.59	27.37
SD15S-TRAY	Solder Cup D-Sub Connector, DB15 Female, Tray of 70	63.70	58.60	53.51	48.41	43.32
SD25S-TRAY	Solder Cup D-Sub Connector, DB25 Female, Tray of 50	54.25	49.91	45.57	41.23	36.89
SD37S-TRAY	Solder Cup D-Sub Connector, DB37 Female, Tray of 40	130.20	119.78	109.37	98.95	88.54
SD50S-TRAY	Solder Cup D-Sub Connector, DB50 Female, Tray of 40	165.20	151.98	138.77	125.55	112.34
Solder Cup High-Density D-Subminiature Connectors - Accept up to 22 AWG Wires						
SDH15P-TRAY	Solder Cup D-Sub Connector, HD15 Male, Tray of 50	63.00	57.96	52.92	47.88	42.84
SDH26P-TRAY	Solder Cup D-Sub Connector, HD26 Male, Tray of 70	147.00	135.24	123.48	111.72	99.96
SDH44P-TRAY	Solder Cup D-Sub Connector, HD44 Male, Tray of 50	180.25	165.83	151.41	136.99	122.57
SDH62P-TRAY	Solder Cup D-Sub Connector, HD62 Male, Tray of 40	175.00	161.00	147.00	133.00	119.00
SDH78P-TRAY	Solder Cup D-Sub Connector, HD78 Male, Tray of 40	210.00	193.20	176.40	159.60	142.80
SDH15S-TRAY	Solder Cup D-Sub Connector, HD15 Female, Tray of 50	66.50	61.18	55.86	50.54	45.22
SDH26S-TRAY	Solder Cup D-Sub Connector, HD26 Female, Tray of 70	154.35	142.00	129.65	117.31	104.96
SDH44S-TRAY	Solder Cup D-Sub Connector, HD44 Female, Tray of 50	187.25	172.27	157.29	142.31	127.33
SDH62S-TRAY	Solder Cup D-Sub Connector, HD62 Female, Tray of 40	180.60	166.15	151.70	137.26	122.81
SDH78S-TRAY	Solder Cup D-Sub Connector, HD78 Female, Tray of 40	218.40	200.93	183.46	165.98	148.51
Insertion Style D-Sub Connectors Accept Industry Standard Pins and Sockets						
C&P9M-TRAY	Insertion Type D-Sub Connector, DB9 Male, Tray of 50	24.50	22.54	20.58	18.62	16.66
C&P15M-TRAY	Insertion Type D-Sub Connector, DB15 Male, Tray of 50	28.00	25.76	23.52	21.28	19.04
C&P25M-TRAY	Insertion Type D-Sub Connector, DB25 Male, Tray of 50	31.50	28.98	26.46	23.94	21.42
C&P37M-TRAY	Insertion Type D-Sub Connector, DB37 Male, Tray of 40	68.60	63.11	57.62	52.14	46.65
C&P50M-TRAY	Insertion Type D-Sub Connector, DB50 Male, Tray of 40	113.40	104.33	95.26	86.18	77.11
C&P9F-TRAY	Insertion Type D-Sub Connector, DB9 Female, Tray of 50	28.00	25.76	23.52	21.28	19.04
C&P15F-TRAY	Insertion Type D-Sub Connector, DB15 Female, Tray of 50	31.50	28.98	26.46	23.94	21.42
C&P25F-TRAY	Insertion Type D-Sub Connector, DB25 Female, Tray of 50	35.00	32.20	29.40	26.60	23.80
C&P37F-TRAY	Insertion Type D-Sub Connector, DB37 Female, Tray of 40	71.40	65.69	59.98	54.26	48.55
C&P50F-TRAY	Insertion Type D-Sub Connector, DB50 Female, Tray of 40	116.20	106.90	97.61	88.31	79.02



RoHS status information
listed online for every product.
L-com.com/RoHS

L-com Global Connectivity


CPM10
Pkg/10


CPF10
Pkg/10


TDT


TDTPRO


CP3127CT


SD121-15


SDC9G


SDC15B


SDC25M

Item #	Description	1-9	10-24	25-99	100-249	250-499

Crimp & Poke Contacts - Choose Pins or Sockets, Flash or 30µ

CPM10	Crimp & Poke Male Pins - Gold Flash, Pkg/10	2.50	2.30	2.10	1.90	1.70
CPM100	Crimp & Poke Male Pins - Gold Flash, Reel/100	15.00	13.80	12.60	11.40	10.20
CPM10-30U	Crimp & Poke Male Pins - 30µ Gold, Pkg/10	3.25	2.99	2.73	2.47	2.21
CPM100-30U	Crimp & Poke Male Pins - 30µ Gold, Reel/100	19.50	17.94	16.38	14.82	13.26
CPF10	Crimp & Poke Female Sockets - Gold Flash, Pkg/10	3.00	2.76	2.52	2.28	2.04
CPF100	Crimp & Poke Female Sockets - Gold Flash, Reel/100	18.00	16.56	15.12	13.68	12.24
CPF10-30U	Crimp & Poke Female Sockets - 30µ Gold, Pkg/10	3.75	3.45	3.15	2.85	2.55
CPF100-30U	Crimp & Poke Female Sockets - 30µ Gold, Reel/100	22.50	20.70	18.90	17.10	15.30

Insertion/Extraction Tools for Crimp & Poke Type Contacts - Professional and Economy Versions

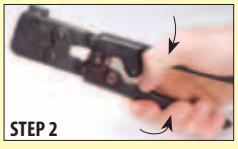
Two insertion/extraction tools are available for inserting contacts into D-Subs. Professional model is made for multiple insertions and is built on a larger, more ergonomic tool body. The economy version is also available when limited insertions are necessary.

TDT	Economy Contact Insertion/Extraction Tool	2.95	2.71	2.48	2.24	CALL
TDTPRO	Professional Contact Insertion/Extraction Tool	19.95	19.15	18.35	17.56	CALL

Tip How to crimp D-Sub contacts using hand tool CP3127CT



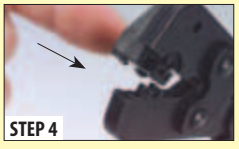
Strip the wire to 3/32" (0.2cm). You can use part #HTC2030.



Squeeze tool handles together to release ratchet.



Slide the contact locator down from the top of the tool.



Then from the back, push the contact locator forward between tool crimp jaws.



Orient the contact so open side of wire and insulation barrels are facing up and insert contact into locator.



Slide locator back placing contact between crimping jaws. Then squeeze tool handles together until ratchet engages (listen for clicking sound).



Insert wire over contact and against wire stop. Squeeze tool handles together until ratchet releases.



Slide locator down, push forward and remove crimped contact.

D-Subminiature Contact Crimp Tool - For Crimp & Poke Series Pins and Sockets

Professional grade tool crimps D-Subminiature pins and sockets for 20-30 AWG wires. Spring loaded holding mechanism centers and holds pin in place until crimping cycle is complete. Highest quality. See the Tip above for crimping instructions.

CP3127CT	D-Sub Contact Crimp Tool	120.00	117.60	115.20	112.80	110.40

D-Sub Hood Covers - Offering a Better Selection for Your Varied Cable Making Needs

L-com offers a better selection of D-Sub hoods than ever before. We've discovered in our own cable production that needs are varied because users are more demanding in style selection than traditional plastic or metal hoods. They are supplied as kits with appropriate hardware for male mating. Order hex standoffs separately for female adaptation.

Plastic D-Sub Hoods - Features One Piece Foldover Hinge Design

One piece unshielded hoods are available for DB9, DB15, DB25 and DB50 sizes. They are constructed of Black plastic with long knurled thumbscrews. They feature a side snap lock for connector security and metal screw down strain relief. Attractive appearance.

SD121-09	Hinged Hood Kit, DB9 Black	1.45	1.33	1.22	1.10	0.99
SD121-15	Hinged Hood Kit, DB15 Black	1.55	1.43	1.30	1.18	1.05
SD121-25	Hinged Hood Kit, DB25 Black	1.65	1.52	1.39	1.25	1.12
SD121-50	Hinged Hood Kit, DB50 Black	2.05	1.89	1.72	1.56	1.39

Plastic Hoods - Mate with D-Subminiature Connectors for Cabling

Molded plastic hoods are made of flame retardant materials. The metalized version is chrome plated providing conductivity and an RFI/EMI shield. A cable strain relief is also included.

SDC9G	Assembled Hood Kit, DB9 Gray	0.85	0.78	0.71	0.65	0.58
SDC15G	Assembled Hood Kit, DB15 Gray	1.00	0.92	0.84	0.76	0.68
SDC25G	Assembled Hood Kit, DB25 Gray	1.05	0.97	0.88	0.80	0.71
SDC37G	Assembled Hood Kit, DB37 Gray	1.20	1.10	1.01	0.91	0.82
SDC9B	Assembled Hood Kit, DB9 Black	0.90	0.83	0.76	0.68	0.61
SDC15B	Assembled Hood Kit, DB15 Black	1.05	0.97	0.88	0.80	0.71
SDC25B	Assembled Hood Kit, DB25 Black	1.10	1.01	0.92	0.84	0.75
SDC9M	Assembled Hood Kit, DB9 Metalized Chrome	1.05	0.97	0.88	0.80	0.71
SDC15M	Assembled Hood Kit, DB15 Metalized Chrome	1.25	1.15	1.05	0.95	0.85
SDC25M	Assembled Hood Kit, DB25 Metalized Chrome	1.35	1.24	1.13	1.03	0.92

L-com Global Connectivity

We want to help you!
See a complete list of free tips, tutorials and videos at L-com.com/Resources

Item #	Description	Switch Type	1-9	10-24	25-99	100-249	250-499

Metalized Plastic D-Sub Hoods - Low Profile and Contemporary Style and Finish

These hoods are offered in three basic sizes, in attractive matte metalized (shielded) finish. Well constructed with metal strain relief bar, two screw closure and long knurled thumbscrews.

SDRS09HOT	Assembled Hood Kit, DB9 Matte Chrome		1.90	1.75	1.60	1.44	1.29
SDRS15HOT	Assembled Hood Kit, DB15 Matte Chrome		2.00	1.84	1.68	1.52	1.36
SDRS25HOT	Assembled Hood Kit, DB25 Matte Chrome		2.10	1.93	1.76	1.60	1.43

D-Sub Metal Hood Kits - Choice of Five Grommets to Satisfy all Size Requirements

Cast alloy metal construction with a matte chrome plate finish over tin and copper for the best conductivity. Kit includes a set of five grommets and 4-40 thread mounting screws.

SDC9AG	Assembled Hood Kit, DB9 Metal		2.50	2.35	2.20	2.05	1.90
SDC15AG	Assembled Hood Kit, DB15 Metal		3.50	3.29	3.08	2.87	2.66
SDC25AG	Assembled Hood Kit, DB25 Metal		3.75	3.52	3.30	3.08	2.85
SDC37AG	Assembled Hood Kit, DB37 Metal		5.00	4.70	4.40	4.10	3.80
SDC50AG	Assembled Hood Kit, DB50 Metal		5.25	4.93	4.62	4.31	3.99

4-40 Thumbscrews for SDC Metal and Plastic D-Sub Hood Kits

Nickel plated steel, knurled, slotted thumbscrews are now available for the entire SDC family of D-Sub hoods. These screws allow the user to secure or remove them either by hand or with a flat blade screwdriver.

04X44S	SDC Thumbscrew, 4-40 Thread		0.35	0.32	0.29	0.27	0.24

Right Angle D-Sub Metal Hood Kits - Low Profile with Thumbscrews

Right angle hoods offered for applications requiring a 90 degree cable exit. Cast alloy metal construction with a nickel plated finish for the best conductivity. Kit includes five grommets and 4-40 threaded thumbscrews.

SDRA9AG	Right Angle Assembled Hood Kit, DB9 Metal		4.00	3.76	3.52	3.28	3.04
SDRA15AG	Right Angle Assembled Hood Kit, DB15 Metal		4.25	3.99	3.74	3.49	3.23
SDRA25AG	Right Angle Assembled Hood Kit, DB25 Metal		4.50	4.23	3.96	3.69	3.42

Replacement Grommets for SDC and SDRA Metal Backshells

These grommets are the same as supplied with the SDC and SDRA metal backshell kits. Five different sizes are offered per backshell size to best fit cable diameter used.

GROM-9&15	Replacement Grommets, SDC & SDRA 9/15 Metal Backshells		0.65	0.60	0.55	0.49	0.44
GROM-25	Replacement Grommets, SDC & SDRA 25 Metal Backshells		0.65	0.60	0.55	0.49	0.44
GROM-37&50	Replacement Grommets, SDC 37/50 Metal Backshells		0.75	0.69	0.63	0.57	0.51

4-40 Hex Jack Screws - Difficult to Find Hardware for Mounting D-Sub Connectors

SDG250	Jack Screw Kit, .25 inch (0.6cm) Thread, .232 inch (0.6cm) Screwlock, Pkg/50		14.00	13.16	12.32	11.48	10.64
SDG300	Jack Screw Kit, .30 inch (0.8cm) Thread, .232 inch (0.6cm) Screwlock, Pkg/50		14.00	13.16	12.32	11.48	10.64
SDG400	Jack Screw Kit, .40 inch (1.0cm) Thread, .232 inch (0.6cm) Screwlock, Pkg/50		14.00	13.16	12.32	11.48	10.64
SDG400S	Jack Screw Kit, .40 inch (1.0cm) Thread, .197 inch (0.5cm) Screwlock, Pkg/50		14.00	13.16	12.32	11.48	10.64
SDG400XS	Jack Screw Kit, .40 inch (1.0cm) Thread, .160 inch (0.4cm) Screwlock, Pkg/50		14.00	13.16	12.32	11.48	10.64
SDG450XS	Jack Screw Kit, .45 inch (1.1cm) Thread, .160 inch (0.4cm) Screwlock, Pkg/50		14.00	13.16	12.32	11.48	10.64
SDG500	Jack Screw Kit, .50 inch (1.3cm) Thread, .232 inch (0.6cm) Screwlock, Pkg/50		14.00	13.16	12.32	11.48	10.64

Hex Standoff 4-40 Thread - Needed with Hood Kits to Convert Male to Female

SDH	Hex Standoffs, .232 inch (0.6cm) Hex, Pkg/50		8.55	8.04	7.52	7.01	6.50
SDHS	Hex Standoffs, .195 inch (0.5cm) Hex, Pkg/50		8.55	8.04	7.52	7.01	6.50
SDH-160	Hex Standoffs, .160 inch (0.4cm) Hex, Pkg/50		8.55	8.04	7.52	7.01	6.50

4-40 Screw and Retainer Pair - For Use on Male D-Sub Connectors with Metal Tabs

SDF1	Screws and Retainers, Chromate, Pkg/50		12.00	11.28	10.56	9.84	9.12

4-40 Screw and Guard - Replacement for Cable Connector Hoods such as SDC Series

SDK	Screws and Guards, Nickel Plate, Pkg/50		5.45	5.01	4.58	4.14	3.71

Stainless Wall Plates - Accept a Variety of D-Sub Connectors

Wall plates that accept common D-Sub connectors are found to be useful by many installers. Wall plates also provide a more organized accommodation for your day-to-day cabling needs. Stainless steel gives a commercial appearance that is sometimes more acceptable in today's business office environment. The variety we offer fills most installation needs.

WPD109	Stainless Wall Plate, One DB9 / HD15 Opening		2.60	2.44	2.29	2.13	1.98
WPD115	Stainless Wall Plate, One DB15 / HD26 Opening		2.60	2.44	2.29	2.13	1.98
WPD125	Stainless Wall Plate, One DB25 / HD44 Opening		2.60	2.44	2.29	2.13	1.98

Transfer Switch Boxes Add Flexibility to Use of Computers and Peripherals

These manual switch boxes are economical in price and great for simple switching of commonly used data line types. Metal boxes are utilized for all models and all connector pins are fully populated and wired straight through. The switching illustrations shown will help you select which manual switch to use when interfacing your computer and peripherals.

DB9 Transfer Switch Boxes

D8-4803	DB9 2 Way Switch Box	A/B	14.95	14.05	13.16	12.26	11.36
D8-4808	DB9 4 Way Switch Box	A/B/C/D	19.95	18.75	17.56	16.36	15.16

High Density 15 Pin Transfer Switch Boxes

D8-4828	HD15 2 Way Switch Box	A/B	14.95	14.05	13.16	12.26	11.36
D8-4833	HD15 4 Way Switch Box	A/B/C/D	19.95	18.75	17.56	16.36	15.16

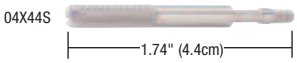
DB15 and DB25 Transfer Switch Boxes

D8-4843/DP15-2	DB15 2 Way Switch Box	A/B	24.95	24.45	23.95	23.45	22.95
D8-4853	DB25 2 Way Switch Box	A/B	17.95	17.59	17.23	16.87	16.51
D8-4858	DB25 3 Way Switch Box	A/B/C	19.95	18.75	17.56	16.36	15.16
D8-4873	DB25 4 Way Switch Box	A/B/C/D	24.95	23.45	21.96	20.46	18.96

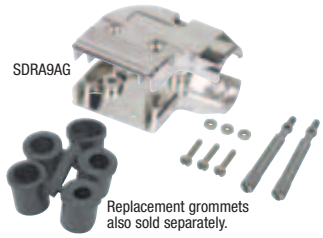

SDRS25HOT


Replacement grommets also sold separately.

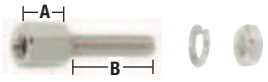
SDC25AG



04X44S


SDRA9AG

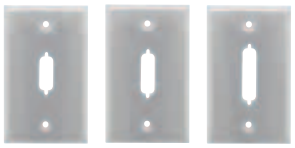
Replacement grommets also sold separately.

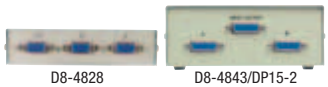


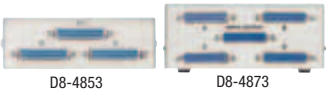
Model	Dim. A	Dim. B
SDG250	.232	.25
SDG300	.232	.30
SDG400	.232	.40
SDG400S	.197	.40
SDG400XS	.160	.40
SDG450XS	.160	.45
SDG500	.232	.50
SDH	.232	NA
SDHS	.195	NA
SDH-160	.160	NA

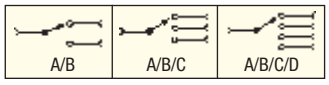

SDF1 Pkg/50


SDK Pkg/50


WPD109 WPD115 WPD125


D8-4828 D8-4843/DP15-2


D8-4853 D8-4873



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HTC60


HTC2030


MK02


CTB-12 Pkg/100

CTB-09 Pkg/100


CTM-0.75

CTM Rear View


CTM-1.5


TUBEXP-0.125

TUBEXP-0.5


SPVFP301-ASST


TAP1181-3/4

Item #	Description	1-9	10-24	25-99	100-249	250-499

Heavy Duty Cable Cutter - Cuts Copper Multiconductor Cable Clean

This heavy duty cable cutter is ideal for performing clean cuts of multiconductor cable. It offers steel construction and high leverage-extra sharp shears. The HTC60 measures 9.5" (24.1cm) in length and can cut copper multiconductor cabling up to 3/4" (1.9cm) diameter. Comfortable to use plastic dipped handles.

HTC60	Cable Cutter - to 3/4 inch (1.9cm) Diameter	19.95	19.55	19.15	18.75	18.35

Wire Stripper and Shear - Up to 20 AWG Conductors

The HTC2030 is similar in design to the HTC1620 except it has 6 circular notches for stripping 20-30 AWG wires. The tool also has a small shearing surface for cutting wires. Spring loaded design returns blades to open after use, locking mechanism keeps blades closed when not in use. Steel construction, plastic coated handles.

HTC2030	Wire Stripper and Shear	10.95	10.73	10.51	10.29	10.07

Rotary Cable Stripper - Cuts Cable Jackets

These tools offer an economical and consistent cable jacket strip every time. Featuring easy to adjust cutting depth, these tools strip both around the cable perimeter and lengthwise. RCS10 strips cable jackets ranging from 0.125" (0.3cm) to 1.0" (2.5cm). MK02 strips cable jackets ranging from 0.18" (0.5cm) to 1.12" (2.8cm). Choose RCS10 for light duty use and MK02 for heavier duty use.

MK02	Round Cable Stripper	29.95	29.35	28.75	28.15	27.55

Cable Ties - 4 Sizes in Packs of 100 Pieces

Cable ties come in handy to secure cable assemblies in different applications. Four different sizes, in packages of 100 pieces each. Color is Black.

CTB-05	6 inch (20.3cm) Cable Ties, Pkg/100	6.95	6.53	6.12	5.70	CALL
CTB-07	8 inch (15.2cm) Cable Ties, Pkg/100	7.95	7.47	7.00	6.52	CALL
CTB-09	8.5 inch (21.6cm) Cable Ties, Pkg/100	8.95	8.41	7.88	7.34	CALL
CTB-12	11.5 inch (29.2cm) Cable Ties, Pkg/100	9.95	9.35	8.76	8.16	CALL

Cable Tie Mounts - 0.75" (1.9cm) and 1.50" (3.8cm) Sizes, Pkg/10

Cable tie mounts allow the user to secure wire and/or cable quickly and easily to a surface. Mounts can be secured with screws or adhesive. Material is UL94V-2 rated nylon, color is Black.

CTM-0.75	Black Calbe Tie Mount, 0.75" (1.9cm), Pkg/10	3.75	3.45	3.15	2.85	2.55
CTM-1.5	Black Calbe Tie Mount, 1.50" (3.8cm), Pkg/10	7.25	6.67	6.09	5.51	4.93

Expandable Sleeving - Pkg/100ft (30.5m), Polyester Material with VW-1 Flammability Rating

Polyester expandable flexible tubing is ideal for protecting wire and/or cable. The open weave design allows for flexible routing, high resistance to abrasion and broad range of expansion. Available in .125" (0.3cm), .25" (0.6cm) and .5" (1.3cm) diameters, color is Black with White tracer.

TUBEXP-0.125	Expandable Braid Sleeving, .125" (0.3cm) Diameter, 100ft (30.5m)	19.50	17.94	16.38	14.82	13.26
TUBEXP-0.25	Expandable Braid Sleeving, .25" (0.6cm) Diameter, 100ft (30.5m)	24.50	22.54	20.58	18.62	16.66
TUBEXP-0.5	Expandable Braid Sleeving, .5" (1.3cm) Diameter, 100ft (30.5m)	33.50	30.82	28.14	25.46	22.78

Item #	Description	List Price

3M Heat Shrink Tubing Kits

3M's popular kits are versatile assortments of flexible polyolefin heat shrink tubing used in a variety of electronic and electrical applications. Each kit is packaged in a plastic box. These kits allow the engineer, designer or technician a selection of popular sizes and colors for small projects and prototypes. The black kit contains 102 pieces of six inch long tubing in six sizes ranging from 3/16 (.05cm) to 1 inch (2.5cm) inside diameter. The color kit contains 133 pieces of six inch long tubing in six sizes ranging from 3/32 (0.2cm) to 1/2 inch (1.3cm) inside diameter and seven colors. Shrink ratio is 2:1.

SPVFP301-BLK	Heat Shrink Kit, Black Colors	57.95
SPVFP301-ASST	Heat Shrink Kit, Assorted Colors	57.95

3M Copper Foil Shielding Tape with Conductive Adhesive

Copper foil shielding tape provides an easy to apply, time saving, cost effective way to shield against EMI/RFI radiation. This tape is conductive through the adhesive and offers mechanical, electrical and thermal values to meet shielding effectiveness frequency requirements. Meets UL 510 flame retardancy requirements. 3/8" (1.0cm) width is ideal for securing cable shields to backshell grommets. See page 97 for complete backshell offering.

TAP1181-3/8	Copper Foil Shielding Tape, 2.6 MIL x 3/8 inch (1.0cm) W x 18 Yards (16.5m)	15.50
TAP1181-3/4	Copper Foil Shielding Tape, 2.6 MIL x 3/4 inch (1.9cm) W x 18 Yards (16.5m)	30.50

Understanding cable flammability ratings

Online Video
L-com.com/Videos/A20



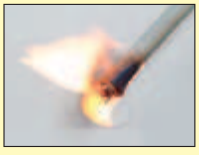
Plenum (CMP) Rated Cable
Complies with NFPA-262 and UL-910. It is the only cable allowed in spaces defined as air plenums such as raised flooring systems and air handling ducts. Plenum cables must self extinguish and not re-ignite.



Low Smoke Zero Halogen (LSZH) Rated Cable
Used in shipboard applications and computer networking rooms where toxic or acidic smoke and fumes can injure people and/or equipment. Examples of Halogens include Fluorine, Chlorine, Bromine and Iodine. These materials when burned produce acidic smoke that can cause harm. These cables will self extinguish.



Riser (CMR) Rated Cable
Complies with UL-1666. Defined for usage in vertical tray applications such as cable runs between floors through cable risers or in elevator shafts. These cables must self extinguish.



General Purpose (CM, CMG, CMx) Cable
Complies with UL-1581 testing. They will burn and partially self extinguish. Not for use between building floors or in air plenum spaces. Often these cables are used for workstation cables and patch cords.

L-com Global Connectivity

Certifications
A complete company documentation package is available for download. L-com.com/Profile

Item #	Description	List Price

Bulk Multiconductor Data Cable - 24 AWG Stranded Conductors

This is one of the most popular choices for data cable applications. Conductors are 24 AWG 7/32 stranded conductors with PVC insulation. Jacket is also PVC, color is Chrome Gray. Foil shielding with tinned drain wire. Choose from 4, 9, 15 or 25 conductors and 100 foot coils or 500 and 1,000 foot spools. UL and CSA Listed.

CS4-100	4 Conductor 24 AWG Bulk Cable, 100ft (30.5m) Coil	24.00
CS4-500	4 Conductor 24 AWG Bulk Cable, 500ft (152.4m) Spool	120.00
CS4-1000	4 Conductor 24 AWG Bulk Cable, 1000ft (304.8m) Spool	240.00
CS9-100	9 Conductor 24 AWG Bulk Cable, 100ft (30.5m) Coil	34.00
CS9-500	9 Conductor 24 AWG Bulk Cable, 500ft (152.4m) Spool	170.00
CS9-1000	9 Conductor 24 AWG Bulk Cable, 1000ft (304.8m) Spool	340.00
CS15-100	15 Conductor 24 AWG Bulk Cable, 100ft (30.5m) Coil	50.00
CS15-500	15 Conductor 24 AWG Bulk Cable, 500ft (152.4m) Spool	250.00
CS15-1000	15 Conductor 24 AWG Bulk Cable, 1000ft (304.8m) Spool	500.00
CS25-100	25 Conductor 24 AWG Bulk Cable, 100ft (30.5m) Coil	80.00
CS25-500	25 Conductor 24 AWG Bulk Cable, 500ft (152.4m) Spool	400.00
CS25-1000	25 Conductor 24 AWG Bulk Cable, 1000ft (304.8m) Spool	800.00

Bulk Twisted Pair Data Cable - Double Shielded, 26 AWG Stranded Conductors

Twisted pair bulk cable features difficult to find 26 AWG conductors with foil, drain wire and braid shield as well as a flexible PVC jacket. Choose from 5, 12.5, 19, or 25 pairs in 100, 500 or 1,000 foot spools. Jacket color is Light Gray.

CSTP5-100	5 Pair 26 AWG Bulk Cable, 100ft (30.5m) Spool	54.00
CSTP5-500	5 Pair 26 AWG Bulk Cable, 500ft (152.4m) Spool	270.00
CSTP5-1000	5 Pair 26 AWG Bulk Cable, 1000ft (304.8m) Spool	540.00
CSTP125-100	12.5 Pair 26 AWG Bulk Cable, 100ft (30.5m) Spool	130.00
CSTP125-500	12.5 Pair 26 AWG Bulk Cable, 500ft (152.4m) Spool	650.00
CSTP125-1000	12.5 Pair 26 AWG Bulk Cable, 1000ft (304.8m) Spool	1300.00
CSTP19-100	19 Pair 26 AWG Bulk Cable, 100ft (30.5m) Spool	160.00
CSTP19-500	19 Pair 26 AWG Bulk Cable, 500ft (152.4m) Spool	800.00
CSTP19-1000	19 Pair 26 AWG Bulk Cable, 1000ft (304.8m) Spool	1600.00
CSTP25-100	25 Pair 26 AWG Bulk Cable, 100ft (30.5m) Spool	270.00
CSTP25-500	25 Pair 26 AWG Bulk Cable, 500ft (152.4m) Spool	1350.00

Low Smoke Zero Halogen Data Cable - Double Shielded, 24 AWG Stranded Conductors

Low smoke zero halogen cable reduces the amount of toxic and corrosive gasses emitted during combustion. Typically used in poorly ventilated areas, low smoke zero halogen is becoming very popular with military contractors. Cable construction features 24 AWG stranded tinned copper conductors with high density polyethylene insulation, overall aluminum polyester foil shield with tinned copper braid and a 24 AWG drain wire. Cable jacket color is Black. Choose from 9, 15, or 25 conductor cable and 100, 500, or 1,000 foot put ups. L-com will manufacture cable assemblies featuring low smoke zero halogen cable with modest minimum requirements.

CSLSZH09-100	9 Conductor 24 AWG LSZH Bulk Cable, 100ft (30.5m) Coil	70.00
CSLSZH09-500	9 Conductor 24 AWG LSZH Bulk Cable, 500ft (152.4m) Spool	350.00
CSLSZH09-1000	9 Conductor 24 AWG LSZH Bulk Cable, 1000ft (304.8m) Spool	700.00
CSLSZH15-100	15 Conductor 24 AWG LSZH Bulk Cable, 100ft (30.5m) Coil	120.00
CSLSZH15-500	15 Conductor 24 AWG LSZH Bulk Cable, 500ft (152.4m) Spool	600.00
CSLSZH15-1000	15 Conductor 24 AWG LSZH Bulk Cable, 1000ft (304.8m) Spool	1200.00
CSLSZH25-100	25 Conductor 24 AWG LSZH Bulk Cable, 100ft (30.5m) Coil	150.00
CSLSZH25-500	25 Conductor 24 AWG LSZH Bulk Cable, 500ft (152.4m) Spool	750.00
CSLSZH25-1000	25 Conductor 24 AWG LSZH Bulk Cable, 1000ft (304.8m) Spool	1500.00

Heavy Duty Double Shielded Multiconductor Data Cable - 20 AWG Conductors, Foil + Braid Shield

Large gauge cable is now available for applications requiring higher current than typical data systems use. Features a dark gray UL2464 listed PVC jacket, aluminum mylar foil shield, tinned copper braid and 20 AWG stranded conductors. Available in 100, 500 or 1,000 foot spools.

CSCPMS09-100	9 Conductor 20 AWG Double Shielded Bulk Cable, 100ft (30.5m) Coil	195.00
CSCPMS09-500	9 Conductor 20 AWG Double Shielded Bulk Cable, 500ft (152.4m) Spool	925.00
CSCPMS09-1000	9 Conductor 20 AWG Double Shielded Bulk Cable, 1000ft (304.8m) Spool	1750.00
CSCPMS15-100	15 Conductor 20 AWG Double Shielded Bulk Cable, 100ft (30.5m) Coil	300.00
CSCPMS15-500	15 Conductor 20 AWG Double Shielded Bulk Cable, 500ft (152.4m) Spool	1450.00
CSCPMS15-1000	15 Conductor 20 AWG Double Shielded Bulk Cable, 1000ft (304.8m) Spool	2750.00
CSCPMS25-100	25 Conductor 20 AWG Double Shielded Bulk Cable, 100ft (30.5m) Coil	525.00
CSCPMS25-500	25 Conductor 20 AWG Double Shielded Bulk Cable, 500ft (152.4m) Spool	2500.00
CSCPMS25-1000	25 Conductor 20 AWG Double Shielded Bulk Cable, 1000ft (304.8m) Spool	4750.00

Plenum, Hi-Temperature Data Cable - Shielded, 24 AWG Stranded Conductors, -40°C to 150°C

Some harsh environments require protection beyond the capabilities of PVC. Halar (thermoplastic fluoropolymer) insulated cable provides excellent thermal characteristics, electrical properties and chemical resistance. Cable construction features 24 AWG stranded tinned copper conductors, overall aluminum/mylar shield with 24 AWG drain wire and Halar insulated conductors and cable jacket. Cable jacket color is Clear. Choose from 4, 9, 15, or 25 conductor cable and 100, 500, or 1,000 foot put ups. L-com will manufacture cable assemblies featuring plenum cable with modest minimum requirements.

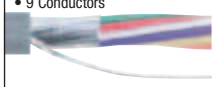
CSPL04-100	4 Conductor 24 AWG Plenum Bulk Cable, 100ft (30.5m) Coil	60.00
CSPL04-500	4 Conductor 24 AWG Plenum Bulk Cable, 500ft (152.4m) Spool	300.00
CSPL04-1000	4 Conductor 24 AWG Plenum Bulk Cable, 1000ft (304.8m) Spool	600.00
CSPL09-100	9 Conductor 24 AWG Plenum Bulk Cable, 100ft (30.5m) Coil	110.00
CSPL09-500	9 Conductor 24 AWG Plenum Bulk Cable, 500ft (152.4m) Spool	550.00
CSPL09-1000	9 Conductor 24 AWG Plenum Bulk Cable, 1000ft (304.8m) Spool	1100.00
CSPL15-100	15 Conductor 24 AWG Plenum Bulk Cable, 100ft (30.5m) Coil	170.00
CSPL15-500	15 Conductor 24 AWG Plenum Bulk Cable, 500ft (152.4m) Spool	850.00
CSPL15-1000	15 Conductor 24 AWG Plenum Bulk Cable, 1000ft (304.8m) Spool	1700.00
CSPL25-100	25 Conductor 24 AWG Plenum Bulk Cable, 100ft (30.5m) Coil	240.00
CSPL25-500	25 Conductor 24 AWG Plenum Bulk Cable, 500ft (152.4m) Spool	1200.00
CSPL25-1000	25 Conductor 24 AWG Plenum Bulk Cable, 1000ft (304.8m) Spool	2400.00

Multiconductor

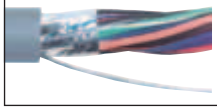
CS4-100
• 4 Conductors



CS9-100
• 9 Conductors



CS25-100
• 25 Conductors



Bulk Twisted Pair

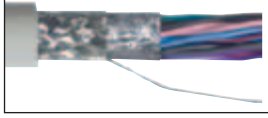
CSTP5-100
• 5 Pair



CSTP125-100
• 12.5 Pair



CSTP19-100
• 19 Pair



Low Smoke Zero Halogen

CSLSZH09-100
• 9 Conductors



CSLSZH25-100
• 25 Conductors



PVC Large Gauge

CSCPMS09-100
• 9 Conductors



CSCPMS15-100
• 15 Conductors



CSCPMS25-100
• 25 Conductors

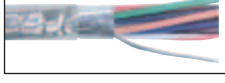


Plenum Hi-Temperature

CSPL04-100
• 4 Conductors



CSPL15-100
• 15 Conductors



Tips
Easy-to-understand tips to help with some of today's popular product applications. L-com.com/Tips

L-com® Global Connectivity

USB Connectors Tutorial

What is USB?

Universal Serial Bus is a high speed connectivity standard enabling simple plug and play connections to devices such as printers, digital cameras, camcorders, keyboards and mice. The standard is supported by many leading suppliers of computers and peripherals. An attractive advantage of USB is that the devices are hot pluggable meaning a live connection/ disconnection without data loss or interruption. Currently there are two relevant revisions of USB, 2.0 and 3.0. USB 3.0 is an emerging standard that allows large amounts of data or video to be transferred up to 10 times faster than USB 2.0. However, USB 2.0 is still much more common in the marketplace and is expected to remain relevant for applications that do not require large amounts of data to be moved. It is important to note that in order to take advantage of the increased bandwidth USB 3.0 provides all components must be 3.0 compliant – host, cables and peripherals. Otherwise the bandwidth will perform to the lowest rated component.

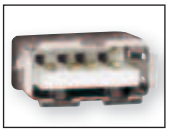
Applications

Initially USB products were used mainly to link computers and their associated peripherals. Today USB is used in nearly every market including communications, entertainment, medical and automotive.

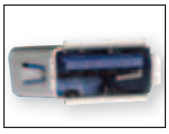
USB Connectors

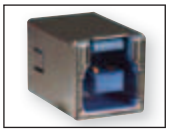
The USB specification requires a host system to be equipped with an A type jack. The B/mini B type jack is typically found on peripheral devices requiring detachable cables. Therefore, detachable USB cables are configured as an A to B/mini B male combination which prevents improper bus configurations and topology miswiring.

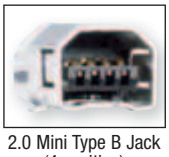
For a complete listing of USB Connectors, see the Connector Chart on the inside back cover of this catalog or online at L-com.com/ConnectorChart

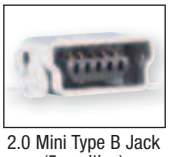

2.0 Type A Jack

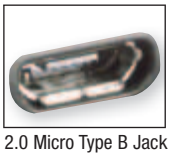

2.0 Type B Jack

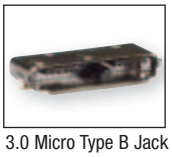

3.0 Type A Jack


3.0 Type B Jack

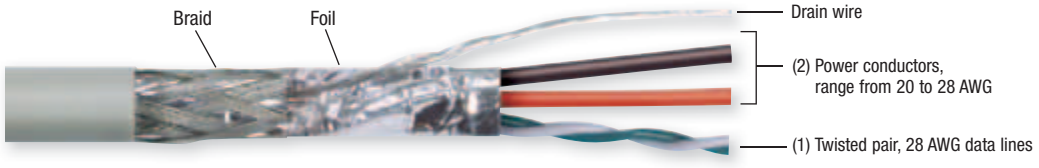

2.0 Mini Type B Jack (4 position)


2.0 Mini Type B Jack (5 position)

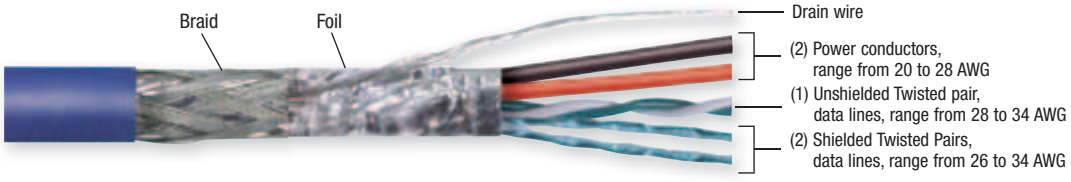

2.0 Micro Type B Jack


3.0 Micro Type B Jack

USB 2.0 Cable Construction



USB 3.0 Cable Construction



USB 3.0 adds two shielded data pairs to the USB 2.0 cable specifications. This addition allows for the faster performance in downloading data or video. Similar concept to changing a 2 lane highway to a 6 lane highway - much more traffic can pass through!

USB Cable Types and Features

Premium ..... 20 AWG power leads provide maximum current/power transfer. Light gray color.
Deluxe ..... 26 AWG power leads, industry standard. Gray color.
Black Deluxe ..... 24 AWG power leads. Black color.
Mini ..... 28 AWG power leads. Black color.
Latching A ..... Provides lock down mating retention with any USB type A jack. See tip on page 104 for details.
LSZH ..... Low Smoke Zero Halogen material significantly reduces the amount of toxic and corrosive gases emitted during combustion. 20 AWG power leads provide maximum current/power transfer. Black color.
Panel Mount ..... Efficiently allows cables to be passed through a panel or enclosure. Various styles and options available.
IP67 ..... Water/dust proof connectors provide protection in wet and dirty environments. See tip on page 109 for IP rating detail.
Coil ..... Retractable polyurethane cord provides longer life and saves space when compared to standard cables.
Rotating/Flex ..... Ratcheting connector holds cables in place in any position the user prefers. Ideal for travel or any confined space.
USB 3.0 ..... Latest USB revision provides up to 10 times greater bandwidth than revision 2.0.

USB Cable Overview
Online Video
L-com.com/Videos/A28

L-com Global Connectivity

For more useful information go to....
L-com.com/Resources

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Selecting the right USB cable assembly for your application

L-com takes pride in having a large variety of USB cables. The following matrix is intended to assist you in selecting the right cable for your need.

USB cable overview



Online Video

L-com.com/Videos/A28

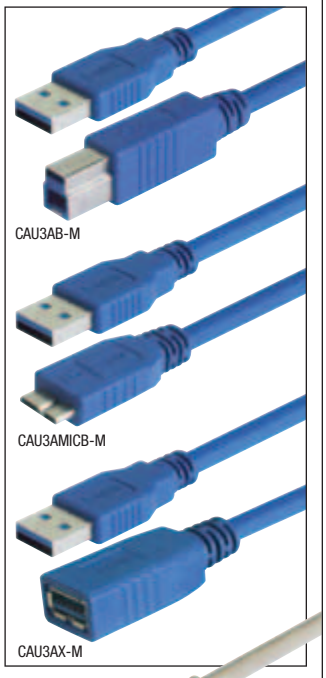
Connector / Cable Type & Features	USB 2.0 A Male	USB 2.0 Latching A Male	USB 2.0 B Male	USB 2.0 Mini B5 Female	USB 3.0 A Male	5 Position Female 0.100" Header Connector	Wire Leads / Cut End
USB 2.0 A Male	CSUZAA LSZH CSMUAA Premium ECUSBAA Deluxe CSMUAA-MT Armor CAUAAHFX High Flex		CAUABHFX High Flex CSMUAB-MT Armor CSMUAB Premium ECUSBAB Deluxe CSUZAB LSZH WPUSBAB IP67 & Panel Mount WPUSBABSH IP67 & Panel Mount CAFLEX AM-BM Rotating/Flex CAUBLKAB Black Deluxe				
USB 2.0 A Female	CSMUAX Premium ECF504-xxAAS Panel Mount UPMAA Panel Mount CSMUAXMT-2M Panel Mount WPUSBAX IP67 & Panel Mount WPUSBAXSH IP67 & Panel Mount CAFLEX-AM-AF Rotating/Flex		UPMAB Panel Mount			UPMA5 Panel Mount	ECF504-5M Panel Mount WPUSBAF IP67 & Panel Mount UPMA-LEADS
USB 2.0 Latching A Male		CAUALAL Latching CAUZALAL LSZH Latching	CAUALB Latching A COILUAB Coil CAUZALB LSZH Latching				
USB 2.0 B Male	CSMUAB Premium ECUSBAB Deluxe CAUABHFX High Flex CSUZAB LSZH WPUSBAB IP67 WPUSBABSH IP67 CAFLEX AM-BM Rotating/Flex CAUBLKAB Black Deluxe CSMUAB-MT Armor	COILUAB Coil CAUALB Latching A	WPUSBBB IP67				
USB 2.0 B Female	WPUSBBA IP67 & Panel Mount UPMBA Panel Mount		UPMBB Panel Mount ECF504-xxBBS Panel Mount			UPMB5 Panel Mount	WPUSBBF IP67 & Panel Mount ECF504-B-5M Panel Mount UPMB-LEADS
USB 2.0 Mini B5 Male	CSMUAMB5 Mini CAFLEX AM-MB5 Rotating/Flex CAFLEX MB5M-AM Rotating/Flex CAA-90xMB5 Angled			CSMUMB5X Mini Extension COILMB5EXT Coil WPUSBMB5X IP67 & Panel Mount			
USB 2.0 Mini B4 Male	CSMUAMB4 Mini						
USB 2.0 Micro B Male	CSMUAMICB Mini CAA-90xMICB Angled						
USB 3.0 A Male					CAU3AA		
USB 3.0 A Female					CAU3AX ECF504-30 Panel Mount UPMAA-30 Panel Mount		
USB 3.0 B Male					CAU3AB		
USB 3.0 Micro B Male					CAU3AMICB		



Free technical support
Call toll free at 1-800-343-1455
if you have questions about your application.

L-com® Global Connectivity

More lengths available.
Go to L-com.com


CAU3AB-M

CAU3AMICB-M

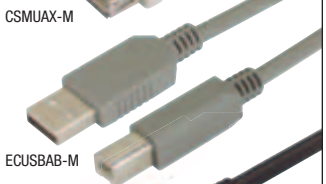
CAU3AX-M

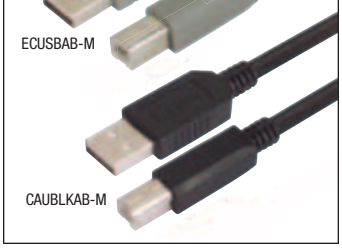

CSMUAA

Best Seller


CSMUAB-M


CSMUAX-M


ECUSBAB-M


CAUBLKAB-M

Item #	Description	Color	1-9	10-24	25-99	100-249	250-499

USB 3.0 Cables - Type A - A Connectors

USB 3.0 cables are up to 10 times faster than USB 2.0 - 4.8 Gbps versus 480 Mbps. The increased bandwidth substantially reduces the time required for transferring large amounts of data or video. For example, an HD movie that would require 14 minutes to download with USB 2.0 devices and cables would take approximately 70 seconds using USB 3.0 equipment. The key change in the cables allowing for more speed is the addition of two data pairs bringing the number of conductors to eight.

CAU3AA-03M	USB 3.0 Type A - A Cable, 0.3m	Blue	10.45	9.61	8.78	7.94	7.11
CAU3AA-05M	USB 3.0 Type A - A Cable, 0.5m	Blue	10.75	9.89	9.03	8.17	7.31
CAU3AA-075M	USB 3.0 Type A - A Cable, 0.75m	Blue	11.15	10.26	9.37	8.47	7.58
CAU3AA-1M	USB 3.0 Type A - A Cable, 1.0m	Blue	11.50	10.58	9.66	8.74	7.82
CAU3AA-2M	USB 3.0 Type A - A Cable, 2.0m	Blue	13.00	11.96	10.92	9.88	8.84
CAU3AA-5M	USB 3.0 Type A - A Cable, 5.0m	Blue	17.50	16.10	14.70	13.30	11.90

USB 3.0 Cables - Type A - B Connectors

CAU3AB-03M	USB 3.0 Type A - B Cable, 0.3m	Blue	10.95	10.07	9.20	8.32	7.45
CAU3AB-05M	USB 3.0 Type A - B Cable, 0.5m	Blue	11.25	10.35	9.45	8.55	7.65
CAU3AB-1M	USB 3.0 Type A - B Cable, 1.0m	Blue	12.00	11.04	10.08	9.12	8.16
CAU3AB-3M	USB 3.0 Type A - B Cable, 3.0m	Blue	15.00	13.80	12.60	11.40	10.20
CAU3AB-5M	USB 3.0 Type A - B Cable, 5.0m	Blue	18.00	16.56	15.12	13.68	12.24

USB 3.0 Compliant Cables - Type A - Micro B Connectors

CAU3AMICB-03M	USB 3.0 Type A - Micro B Cable, 0.3m	Blue	12.20	11.22	10.25	9.27	8.30
CAU3AMICB-05M	USB 3.0 Type A - Micro B Cable, 0.5m	Blue	12.50	11.50	10.50	9.50	8.50
CAU3AMICB-075M	USB 3.0 Type A - Micro B Cable, 0.75m	Blue	12.90	11.87	10.84	9.80	8.77
CAU3AMICB-1M	USB 3.0 Type A - Micro B Cable, 1.0m	Blue	13.25	12.19	11.13	10.07	9.01
CAU3AMICB-2M	USB 3.0 Type A - Micro B Cable, 2.0m	Blue	14.75	13.57	12.39	11.21	10.03
CAU3AMICB-3M	USB 3.0 Type A - Micro B Cable, 3.0m	Blue	16.25	14.95	13.65	12.35	11.05
CAU3AMICB-5M	USB 3.0 Type A - Micro B Cable, 5.0m	Blue	19.25	17.71	16.17	14.63	13.09

USB 3.0 Compliant Extension Cables - Type A Male / Female Connectors

CAU3AX-03M	USB 3.0 Type A Male / Female Extension Cable, 0.3m	Blue	11.45	10.53	9.62	8.70	7.79
CAU3AX-05M	USB 3.0 Type A Male / Female Extension Cable, 0.5m	Blue	11.75	10.81	9.87	8.93	7.99
CAU3AX-075M	USB 3.0 Type A Male / Female Extension Cable, 0.75m	Blue	12.15	11.18	10.21	9.23	8.26
CAU3AX-1M	USB 3.0 Type A Male / Female Extension Cable, 1.0m	Blue	12.50	11.50	10.50	9.50	8.50
CAU3AX-3M	USB 3.0 Type A Male / Female Extension Cable, 3.0m	Blue	15.50	14.26	13.02	11.78	10.54

Premium USB 2.0 Cables - Type A - A Connectors, PVC Jacket, 30 Microinches Gold, 20 AWG Power Leads

Premium USB 2.0 cables contain 20 AWG power wires for maximum power transfer.

CSMUAA-03M	Premium USB Type A - A Cable, 0.3m	Lt. Gray	7.75	7.13	6.51	5.89	5.27
CSMUAA-05M	Premium USB Type A - A Cable, 0.5m	Lt. Gray	7.95	7.31	6.68	6.04	5.41
CSMUAA-1M	Premium USB Type A - A Cable, 1.0m	Lt. Gray	8.45	7.77	7.10	6.42	5.75
CSMUAA-2M	Premium USB Type A - A Cable, 2.0m	Lt. Gray	9.45	8.69	7.94	7.18	6.43
CSMUAA-3M	Premium USB Type A - A Cable, 3.0m	Lt. Gray	10.45	9.61	8.78	7.94	7.11
CSMUAA-4M	Premium USB Type A - A Cable, 4.0m	Lt. Gray	11.95	10.99	10.04	9.08	8.13
CSMUAA-5M	Premium USB Type A - A Cable, 5.0m	Lt. Gray	12.45	11.45	10.46	9.46	8.47

Premium USB 2.0 Cables - Type A - B Connectors, PVC Jacket, 30 Microinches Gold, 20 AWG Power Leads

CSMUAB-03M	Premium USB Type A - B Cable, 0.3m	Lt. Gray	6.75	6.21	5.67	5.13	4.59
CSMUAB-05M	Premium USB Type A - B Cable, 0.5m	Lt. Gray	6.95	6.39	5.84	5.28	4.73
CSMUAB-075M	Premium USB Type A - B Cable, 0.75m	Lt. Gray	7.20	6.62	6.05	5.47	4.90
CSMUAB-1M	Premium USB Type A - B Cable, 1.0m	Lt. Gray	7.45	6.85	6.26	5.66	5.07
CSMUAB-2M	Premium USB Type A - B Cable, 2.0m	Lt. Gray	8.45	7.77	7.10	6.42	5.75
CSMUAB-3M	Premium USB Type A - B Cable, 3.0m	Lt. Gray	9.45	8.69	7.94	7.18	6.43
CSMUAB-4M	Premium USB Type A - B Cable, 4.0m	Lt. Gray	10.45	9.61	8.78	7.94	7.11
CSMUAB-5M	Premium USB Type A - B Cable, 5.0m	Lt. Gray	11.45	10.53	9.62	8.70	7.79

Premium USB 2.0 Ext. Cables - Type A Connectors, PVC Jacket, 30 Microinches Gold, 20 AWG Power Leads

CSMUAX-05M	Premium USB Type A Male / Female Extension Cable, 0.5m	Lt. Gray	7.45	7.15	6.85	6.33	5.59
CSMUAX-1M	Premium USB Type A Male / Female Extension Cable, 1.0m	Lt. Gray	7.95	7.63	7.31	6.76	5.96
CSMUAX-2M	Premium USB Type A Male / Female Extension Cable, 2.0m	Lt. Gray	8.95	8.59	8.23	7.61	6.71
CSMUAX-3M	Premium USB Type A Male / Female Extension Cable, 3.0m	Lt. Gray	9.95	9.55	9.15	8.46	7.46

Deluxe USB 2.0 Cables - Type A - B Connectors, 30 Microinches Gold, 26 AWG Power Leads

L-com's standard USB cable offering, the ECUSB series, provides high performance at competitive prices. These quality constructed cables feature USB 2.0 Compliant 26 AWG power leads and are finished in an attractive medium gray color. Each cable is functionally tested to ensure the highest level of quality and performance. These cables allow for transfer rates up to 480 Mbps and can be used with simple Plug and Play connections for devices such as printers, keyboards/mice, digital cameras and other USB peripherals.

ECUSBAB-05M	Deluxe USB Type A - B Cable, 0.5m	Gray	4.35	3.91	3.48	3.04	2.61
ECUSBAB-075M	Deluxe USB Type A - B Cable, 0.75m	Gray	4.55	4.09	3.64	3.18	2.73
ECUSBAB-1M	Deluxe USB Type A - B Cable, 1.0m	Gray	4.75	4.28	3.80	3.32	2.85
ECUSBAB-2M	Deluxe USB Type A - B Cable, 2.0m	Gray	5.55	5.00	4.44	3.88	3.33
ECUSBAB-3M	Deluxe USB Type A - B Cable, 3.0m	Gray	6.35	5.71	5.08	4.44	3.81
ECUSBAB-4M	Deluxe USB Type A - B Cable, 4.0m	Gray	7.15	6.44	5.72	5.00	4.29
ECUSBAB-5M	Deluxe USB Type A - B Cable, 5.0m	Gray	7.95	7.16	6.36	5.56	4.77

Premium USB 2.0 Cables – Type A - B Connectors, Black, 30 Microinches Gold, 24 AWG Power Leads

CAUBLKAB-03M	Premium USB Type A - B Cable, 0.3m	Black	5.00	4.50	4.00	3.50	3.00
CAUBLKAB-05M	Premium USB Type A - B Cable, 0.5m	Black	5.20	4.68	4.16	3.64	3.12
CAUBLKAB-075M	Premium USB Type A - B Cable, 0.75m	Black	5.45	4.91	4.36	3.82	3.27
CAUBLKAB-1M	Premium USB Type A - B Cable, 1.0m	Black	5.65	5.09	4.52	3.96	3.39
CAUBLKAB-2M	Premium USB Type A - B Cable, 2.0m	Black	6.55	5.89	5.24	4.59	3.93
CAUBLKAB-3M	Premium USB Type A - B Cable, 3.0m	Black	7.45	6.71	5.96	5.21	4.47
CAUBLKAB-4M	Premium USB Type A - B Cable, 4.0m	Black	8.35	7.51	6.68	5.84	5.01
CAUBLKAB-5M	Premium USB Type A - B Cable, 5.0m	Black	9.25	8.33	7.40	6.47	5.55

L-com Global Connectivity

New, shorter lengths 0.3m and 0.75m now available

Customer Testimonials
Read why others choose L-com.
L-com.com/Testimonials

Item #	Description	Color	1-9	10-24	25-99	100-249	250-499

High Flex USB 2.0 Cables - Type A-A and A-B Connectors

Designed for applications where ordinary USB cables fail, this exclusive ultra flexible cable family is rated for 10,000 flex cycles minimum. Standard USB cable fails at approximately 1,000 bend cycles. The special bulk cable uses a polyurethane jacket plus high strand count data (28 AWG) and power (24 AWG) conductors to achieve the extra durability. Available with type A-A and A-B connector options in lengths ranging from 0.3 to 5 meters

CAUAAHFX-03M	High Flex USB Type A - A Cable, 0.3m	Black	10.60	9.75	8.90	8.06	7.21
CAUAAHFX-1M	High Flex USB Type A - A Cable, 1.0m	Black	12.50	11.50	10.50	9.50	8.50
CAUAAHFX-2M	High Flex USB Type A - A Cable, 2.0m	Black	15.25	14.03	12.81	11.59	10.37
CAUAAHFX-3M	High Flex USB Type A - A Cable, 3.0m	Black	18.00	16.56	15.12	13.68	12.24
CAUAAHFX-5M	High Flex USB Type A - A Cable, 5.0m	Black	23.50	21.62	19.74	17.86	15.98
CAUABHFX-03M	High Flex USB Type A - B Cable, 0.3m	Black	10.60	9.75	8.90	8.06	7.21
CAUABHFX-1M	High Flex USB Type A - B Cable, 1.0m	Black	12.50	11.50	10.50	9.50	8.50
CAUABHFX-2M	High Flex USB Type A - B Cable, 2.0m	Black	15.25	14.03	12.81	11.59	10.37
CAUABHFX-3M	High Flex USB Type A - B Cable, 3.0m	Black	18.00	16.56	15.12	13.68	12.24
CAUABHFX-5M	High Flex USB Type A - B Cable, 5.0m	Black	23.50	21.62	19.74	17.86	15.98

Metal Armored USB Cables - Type A-A and A-B Connectors, Revision 2.0 Compliant

These unique cables feature a stainless steel crush resistant jacket over our premium USB 2.0 cable to provide protection in applications where standard cables would be damaged due to excessive force. Crush resistance is 1500 PSI (Pounds per Square Inch). The 20 AWG USB power wires allow for maximum power transfer.

CSMUAA-MT-03M	Metal Armored USB Type A - A Cable, 0.3m	Black	16.55	15.89	15.23	14.07	12.41
CSMUAA-MT-05M	Metal Armored USB Type A - A Cable, 0.5m	Black	17.75	17.04	16.33	15.09	13.31
CSMUAA-MT-1M	Metal Armored USB Type A - A Cable, 1.0m	Black	20.75	19.92	19.09	17.64	15.56
CSMUAA-MT-2M	Metal Armored USB Type A - A Cable, 2.0m	Black	26.75	25.68	24.61	22.74	20.06
CSMUAA-MT-3M	Metal Armored USB Type A - A Cable, 3.0m	Black	32.75	31.44	30.13	27.84	24.56
CSMUAA-MT-4M	Metal Armored USB Type A - A Cable, 4.0m	Black	38.75	37.20	35.65	32.94	29.06
CSMUAA-MT-5M	Metal Armored USB Type A - A Cable, 5.0m	Black	44.75	42.96	41.17	38.04	33.56
CSMUAB-MT-03M	Metal Armored USB Type A - B Cable, 0.3m	Black	16.55	15.89	15.23	14.07	12.41
CSMUAB-MT-05M	Metal Armored USB Type A - B Cable, 0.5m	Black	17.75	17.04	16.33	15.09	13.31
CSMUAB-MT-1M	Metal Armored USB Type A - B Cable, 1.0m	Black	20.75	19.92	19.09	17.64	15.56
CSMUAB-MT-2M	Metal Armored USB Type A - B Cable, 2.0m	Black	26.75	25.68	24.61	22.74	20.06
CSMUAB-MT-3M	Metal Armored USB Type A - B Cable, 3.0m	Black	32.75	31.44	30.13	27.84	24.56
CSMUAB-MT-4M	Metal Armored USB Type A - B Cable, 4.0m	Black	38.75	37.20	35.65	32.94	29.06
CSMUAB-MT-5M	Metal Armored USB Type A - B Cable, 5.0m	Black	44.75	42.96	41.17	38.04	33.56

Low Smoke Zero Halogen USB Cable - Type A - A & A - B Connectors, 30 Microinches Gold

Low Smoke Zero Halogen cable reduces the amount of toxic and corrosive gases emitted during combustion. Typically used in poorly ventilated areas, Low Smoke Zero Halogen is becoming very popular where the protection of people and equipment from toxic and corrosive gases is critical.

CSUZAA-03M	LSZH USB Type A - A Cable, 0.3m	Black	12.35	11.36	10.37	9.39	8.40
CSUZAA-05M	LSZH USB Type A - A Cable, 0.5m	Black	12.95	11.91	10.88	9.84	8.81
CSUZAA-075M	LSZH USB Type A - A Cable, 0.75m	Black	13.70	12.60	11.51	10.41	9.32
CSUZAA-1M	LSZH USB Type A - A Cable, 1.0m	Black	14.45	13.29	12.14	10.98	9.83
CSUZAA-2M	LSZH USB Type A - A Cable, 2.0m	Black	17.45	16.05	14.66	13.26	11.87
CSUZAA-5M	LSZH USB Type A - A Cable, 5.0m	Black	26.45	24.33	22.22	20.10	17.99
CSUZAB-03M	LSZH USB Type A - B Cable, 0.3m	Black	12.35	11.36	10.37	9.39	8.40
CSUZAB-05M	LSZH USB Type A - B Cable, 0.5m	Black	12.95	11.91	10.88	9.84	8.81
CSUZAB-075M	LSZH USB Type A - B Cable, 0.75m	Black	13.70	12.60	11.51	10.41	9.32
CSUZAB-1M	LSZH USB Type A - B Cable, 1.0m	Black	14.45	13.29	12.14	10.98	9.83
CSUZAB-3M	LSZH USB Type A - B Cable, 3.0m	Black	20.45	18.81	17.18	15.54	13.91
CSUZAB-5M	LSZH USB Type A - B Cable, 5.0m	Black	26.45	24.33	22.22	20.10	17.99

Premium USB Cable - Type A - Micro B 5 Position, PVC Jacket, 30 Microinches Gold

CSMUAMICB-03M	Premium USB Type A - Micro B 5 Position Cable, 0.3m	Black	7.35	6.62	5.88	5.14	4.41
CSMUAMICB-05M	Premium USB Type A - Micro B 5 Position Cable, 0.5m	Black	7.60	6.84	6.08	5.32	4.56
CSMUAMICB-1M	Premium USB Type A - Micro B 5 Position Cable, 1.0m	Black	8.15	7.34	6.52	5.71	4.89
CSMUAMICB-2M	Premium USB Type A - Micro B 5 Position Cable, 2.0m	Black	9.30	8.37	7.44	6.51	5.58
CSMUAMICB-3M	Premium USB Type A - Micro B 5 Position Cable, 3.0m	Black	10.45	9.40	8.36	7.31	6.27

Premium USB Cable - Type A - Mini B 4 Position, PVC Jacket, 30 Microinches Gold

CSMUAMB4-05M	Premium USB Type A - Mini B 4 Position Cable, 0.5m	Black	7.55	6.80	6.04	5.28	4.53
CSMUAMB4-1M	Premium USB Type A - Mini B 4 Position Cable, 1.0m	Black	8.15	7.34	6.52	5.71	4.89
CSMUAMB4-2M	Premium USB Type A - Mini B 4 Position Cable, 2.0m	Black	9.30	8.37	7.44	6.51	5.58
CSMUAMB4-3M	Premium USB Type A - Mini B 4 Position Cable, 3.0m	Black	10.45	9.40	8.36	7.31	6.27

Premium USB Cable - Type A - Mini B 5 Position, PVC Jacket, 30 Microinches Gold

CSMUAMB5-03M	Premium USB Type A - Mini B 5 Position Cable, 0.3m	Black	7.35	6.62	5.88	5.14	4.41
CSMUAMB5-075M	Premium USB Type A - Mini B 5 Position Cable, 0.75m	Black	7.85	7.06	6.28	5.49	4.71
CSMUAMB5-1M	Premium USB Type A - Mini B 5 Position Cable, 1.0m	Black	8.15	7.34	6.52	5.71	4.89
CSMUAMB5-2M	Premium USB Type A - Mini B 5 Position Cable, 2.0m	Black	9.30	8.37	7.44	6.51	5.58
CSMUAMB5-3M	Premium USB Type A - Mini B 5 Position Cable, 3.0m	Black	10.45	9.40	8.36	7.31	6.27

Premium USB Extension Cable - Mini B 5 Position Male / Female

L-com's CSMUMB5X series cables are designed to connect devices such as GPS units and other USB Mini B 5 position peripherals. All 5 mini B positions are connected to insure proper functionality in every application. We offer these Mini B5 extension cables in off the shelf lengths of 1, 2, and 3 meters. These cables feature foil plus braid shielding to provide maximum protection against EMI/RFI.

CSMUMB5X-03M	Premium USB Mini B 5 Position Cable, Male / Female, 0.3m	Black	7.85	7.06	6.28	5.49	4.71
CSMUMB5X-1M	Premium USB Mini B 5 Position Cable, Male / Female, 1.0m	Black	8.65	7.79	6.92	6.05	5.19
CSMUMB5X-2M	Premium USB Mini B 5 Position Cable, Male / Female, 2.0m	Black	9.80	8.82	7.84	6.86	5.88
CSMUMB5X-3M	Premium USB Mini B 5 Position Cable, Male / Female, 3.0m	Black	10.95	9.86	8.76	7.66	6.57

Variable Length USB Coil Cable - Mini B 5 Position Male / Female

This innovative USB coil cable from L-com features a retracted length 0.5 meters and an expanded length of two meters and can be used with GPS systems as well as cameras and other peripherals using the USB Mini B5 interface. All 5 mini B positions are connected to insure proper functionality in every application. The tough, durable polyurethane jacket enhances recoil memory and 30 microinch gold plated contacts provide reliable connections with repeated mating cycles. Order online today!

COILMB5EXT-2M	USB Coil Cable - Mini B 5 Position Male / Female, 0.5m to 2.0m	Black	11.50	10.58	9.66	8.74	7.82

More lengths available.
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New
CAUAAHFX-M

New
CSMUAB-MT-M

CSUZAB-M

CSMUAMICB-M

CSMUAMB4-M

CSMUAMB5-M

CSMUMB5X-M

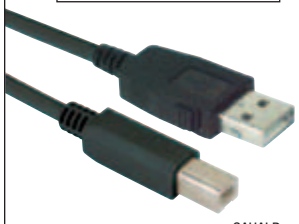
COILMB5EXT-2M

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New, shorter lengths 0.3m and 0.75m now available

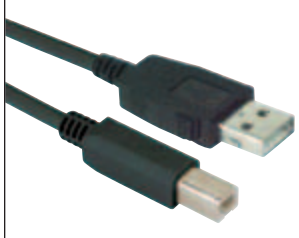
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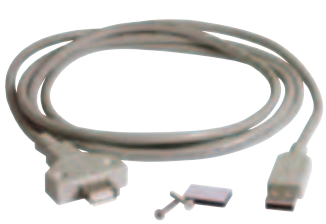
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CAUALB

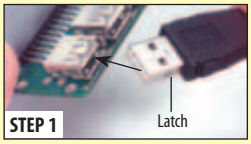

CAUALAL


CAUZALAL-M


CAUZALB-M


CSMUAXMT-2M

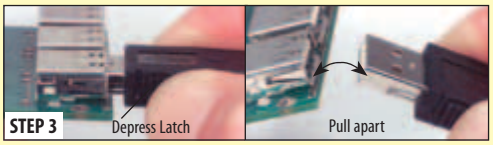
Tip How does the latching USB connector work?



Insert the latching USB connector into the USB jack.



The latches on each side of the connector lock into the channel cut-outs of any USB jack. **Note:** It may be necessary to rock the latching connector slightly to set the latches into the channels.



To remove the latching USB connector, simply depress the release mechanisms on the sides of the backshell and pull apart.

Item #	Description	Color	1-9	10-24	25-99	100-249	250-499

USB Cable Assemblies with Latching Connectors

These unique cable assemblies feature a latching Type A USB plug which provides lock down mating retention with any USB Type A jack. Two styles are available – latching A to latching A and latching A to standard B. Fully shielded and USB 2.0 compliant, this cable contains two 24 AWG power conductors and one 28 AWG pair for the data lines. Color is black. Please note latching Type B plugs are available as custom products but require a custom Type B jack.

USB Cable Assemblies with Latching Type A / Standard Type B Connectors

CAUALB-03M	USB Cable Assembly, Latching Type A / Standard Type B, 0.3m	Black	10.00	9.20	8.40	7.60	6.80
CAUALB-05M	USB Cable Assembly, Latching Type A / Standard Type B, 0.5m	Black	10.20	9.38	8.57	7.75	6.94
CAUALB-075M	USB Cable Assembly, Latching Type A / Standard Type B, 0.75m	Black	10.45	9.61	8.78	7.94	7.11
CAUALB-1M	USB Cable Assembly, Latching Type A / Standard Type B, 1.0m	Black	10.65	9.80	8.95	8.09	7.24
CAUALB-2M	USB Cable Assembly, Latching Type A / Standard Type B, 2.0m	Black	11.55	10.63	9.70	8.78	7.85
CAUALB-3M	USB Cable Assembly, Latching Type A / Standard Type B, 3.0m	Black	12.45	11.45	10.46	9.46	8.47
CAUALB-5M	USB Cable Assembly, Latching Type A / Standard Type B, 5.0m	Black	14.25	13.11	11.97	10.83	9.69

USB Cable Assemblies with Latching Type A Connectors

CAUALAL-05M	USB Cable Assembly, Latching Type A / Latching Type A, 0.5m	Black	11.70	10.76	9.83	8.89	7.96
CAUALAL-075M	USB Cable Assembly, Latching Type A / Latching Type A, 0.75m	Black	11.95	10.99	10.04	9.08	8.13
CAUALAL-1M	USB Cable Assembly, Latching Type A / Latching Type A, 1.0m	Black	12.15	11.18	10.21	9.23	8.26
CAUALAL-2M	USB Cable Assembly, Latching Type A / Latching Type A, 2.0m	Black	13.05	12.01	10.96	9.92	8.87
CAUALAL-4M	USB Cable Assembly, Latching Type A / Latching Type A, 4.0m	Black	14.85	13.66	12.47	11.29	10.10
CAUALAL-5M	USB Cable Assembly, Latching Type A / Latching Type A, 5.0m	Black	15.75	14.49	13.23	11.97	10.71

LSZH USB 2.0 Cables, Latching Type A / Latching Type A

These Low Smoke Zero Halogen cable assemblies feature two latching Type A USB plugs which provide lock down mating retention with any USB Type A jack. Fully shielded and USB 2.0 compliant, these cables contain two 24 AWG power conductors and one 28 AWG pair for the data lines.

CAUZALAL-03M	LSZH USB Latching Type A - Latching Type A Cable, 0.3m	Black	13.50	12.69	11.88	11.07	10.26
CAUZALAL-05M	LSZH USB Latching Type A - Latching Type A Cable, 0.5m	Black	14.00	13.16	12.32	11.48	10.64
CAUZALAL-1M	LSZH USB Latching Type A - Latching Type A Cable, 1.0m	Black	15.25	14.33	13.42	12.51	11.59
CAUZALAL-3M	LSZH USB Latching Type A - Latching Type A Cable, 3.0m	Black	20.25	19.04	17.82	16.61	15.39
CAUZALAL-4M	LSZH USB Latching Type A - Latching Type A Cable, 4.0m	Black	22.75	21.38	20.02	18.66	17.29
CAUZALAL-5M	LSZH USB Latching Type A - Latching Type A Cable, 5.0m	Black	25.25	23.73	22.22	20.71	19.19

LSZH USB 2.0 Cables, Latching Type A / Standard Type B

CAUZALB-05M	LSZH USB Latching Type A - Standard Type B Cable, 0.5m	Black	12.50	11.75	11.00	10.25	9.50
CAUZALB-075M	LSZH USB Latching Type A - Standard Type B Cable, 0.75m	Black	13.15	12.36	11.57	10.78	9.99
CAUZALB-1M	LSZH USB Latching Type A - Standard Type B Cable, 1.0m	Black	13.75	12.92	12.10	11.28	10.45
CAUZALB-2M	LSZH USB Latching Type A - Standard Type B Cable, 2.0m	Black	16.25	15.27	14.30	13.33	12.35
CAUZALB-3M	LSZH USB Latching Type A - Standard Type B Cable, 3.0m	Black	18.75	17.63	16.50	15.38	14.25
CAUZALB-5M	LSZH USB Latching Type A - Standard Type B Cable, 5.0m	Black	23.75	22.32	20.90	19.48	18.05

Mountable USB Extension Cable - Type A Connectors, 30 Microinches Gold

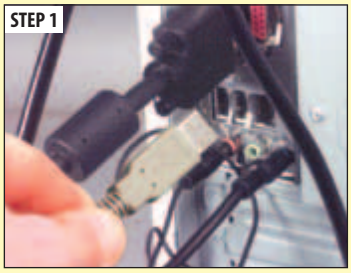
Tired of trying to connect your USB cable to the hard to access port on the back of your PC? Try this convenient cable and make this problem go away! Featuring a USB Type A plug for the PC connection and a unique USB Type A jack, the user can mount this jack to any surface with either screws or double sided foam tape (both are provided). Fully shielded and USB 2.0 compliant, this cable contains two 20 AWG power conductors plus one 28 AWG twisted pair for the data lines and rugged molded backshells. Cable length is 2 meters (6.6 feet).

CSMUAXMT-2M	Premium USB Type A Male / Female Mounting Extension Cable, 2.0m	Lt. Gray	10.50	9.66	8.82	7.98	7.14

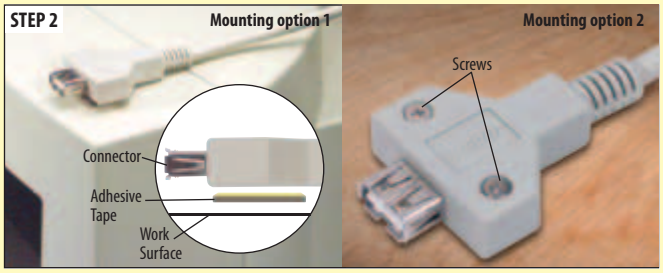
Tip Advantage of using the USB mountable extension cable assembly

Suggested Uses:
- Digital Cameras
- MP3 Players
- External Hard Drives
- Test Environments

Connecting a cable to the hard to access USB port on your PC can be difficult.



Simply connect the mountable extension cable once to the USB port on the back of your computer.



This cable can be mounted to your PC monitor or any work surface. Choose your preferred mounting option using either the double sided adhesive tape or screws provided. Your USB port is now easy to access.

L-com Global Connectivity

New, shorter lengths 0.3m and 0.75m now available

Connect with L-com Global Connectivity

Item #	Description	1-9	10-24	25-99	100-249	250-499

Angled USB 2.0 Cable Assemblies - Six Options to Choose From

Molded, angled connector hoods solve difficult connection issues in tight places. Four mold options each for standard A and B style connectors are now available. These high quality constructed cables feature USB 2.0 compliant 26 AWG power leads and are finished in an attractive gray color. Custom configuration options are available with modest minimum requirements, please contact our Sales Team for a quote.

Deluxe USB 2.0 Cable Assemblies – Left Angle Type A to Left Angle Type B, 30 Microinches Gold

CA90LA-90LB-03M	USB Cable, Left Angle Type A Male / Left Angle Type B Male, 0.3m	6.70	6.16	5.63	5.09	4.56
CA90LA-90LB-05M	USB Cable, Left Angle Type A Male / Left Angle Type B Male, 0.5m	6.85	6.30	5.75	5.21	4.66
CA90LA-90LB-075M	USB Cable, Left Angle Type A Male / Left Angle Type B Male, 0.75m	7.05	6.49	5.92	5.36	4.79
CA90LA-90LB-1M	USB Cable, Left Angle Type A Male / Left Angle Type B Male, 1.0m	7.25	6.67	6.09	5.51	4.93
CA90LA-90LB-2M	USB Cable, Left Angle Type A Male / Left Angle Type B Male, 2.0m	8.05	7.41	6.76	6.12	5.47
CA90LA-90LB-3M	USB Cable, Left Angle Type A Male / Left Angle Type B Male, 3.0m	8.85	8.14	7.43	6.73	6.02
CA90LA-90LB-5M	USB Cable, Left Angle Type A Male / Left Angle Type B Male, 5.0m	10.45	9.61	8.78	7.94	7.11

Deluxe USB 2.0 Cable Assemblies – Standard Type A to Up Angle Type B, 30 Microinches Gold

CAA-90UB-03M	USB Cable, Standard Type A Male / Up Angle Type B Male, 0.3m	6.20	5.70	5.21	4.71	4.22
CAA-90UB-05M	USB Cable, Standard Type A Male / Up Angle Type B Male, 0.5m	6.35	5.84	5.33	4.83	4.32
CAA-90UB-075M	USB Cable, Standard Type A Male / Up Angle Type B Male, 0.75m	6.55	6.03	5.50	4.98	4.45
CAA-90UB-1M	USB Cable, Standard Type A Male / Up Angle Type B Male, 1.0m	6.75	6.21	5.67	5.13	4.59
CAA-90UB-2M	USB Cable, Standard Type A Male / Up Angle Type B Male, 2.0m	7.55	6.95	6.34	5.74	5.13
CAA-90UB-3M	USB Cable, Standard Type A Male / Up Angle Type B Male, 3.0m	8.35	7.68	7.01	6.35	5.68
CAA-90UB-5M	USB Cable, Standard Type A Male / Up Angle Type B Male, 5.0m	9.95	9.15	8.36	7.56	6.77

Deluxe USB 2.0 Cable Assemblies – Down Angle Type A to Down Angle Type B, 30 Microinches Gold

CA90DA-90DB-03M	USB Cable, Down Angle Type A Male / Down Angle Type B Male, 0.3m	6.70	6.16	5.63	5.09	4.56
CA90DA-90DB-05M	USB Cable, Down Angle Type A Male / Down Angle Type B Male, 0.5m	6.85	6.30	5.75	5.21	4.66
CA90DA-90DB-1M	USB Cable, Down Angle Type A Male / Down Angle Type B Male, 1.0m	7.25	6.67	6.09	5.51	4.93
CA90DA-90DB-3M	USB Cable, Down Angle Type A Male / Down Angle Type B Male, 3.0m	8.85	8.14	7.43	6.73	6.02
CA90DA-90DB-5M	USB Cable, Down Angle Type A Male / Down Angle Type B Male, 5.0m	10.45	9.61	8.78	7.94	7.11

Deluxe USB 2.0 Cable Assemblies – Standard Type A to Down Angle Type B, 30 Microinches Gold

CAA-90DB-03M	USB Cable, Standard Type A Male / Down Angle Type B Male, 0.3m	6.20	5.70	5.21	4.71	4.22
CAA-90DB-05M	USB Cable, Standard Type A Male / Down Angle Type B Male, 0.5m	6.35	5.84	5.33	4.83	4.32
CAA-90DB-075M	USB Cable, Standard Type A Male / Down Angle Type B Male, 0.75m	6.55	6.03	5.50	4.98	4.45
CAA-90DB-2M	USB Cable, Standard Type A Male / Down Angle Type B Male, 2.0m	7.55	6.95	6.34	5.74	5.13
CAA-90DB-3M	USB Cable, Standard Type A Male / Down Angle Type B Male, 3.0m	8.35	7.68	7.01	6.35	5.68
CAA-90DB-5M	USB Cable, Standard Type A Male / Down Angle Type B Male, 5.0m	9.95	9.15	8.36	7.56	6.77

Deluxe USB 2.0 Cable Assemblies – Right Angle Type A to Right Angle Type B, 30 Microinches Gold

CA90RA-90RB-03M	USB Cable, Right Angle Type A Male / Right Angle Type B Male, 0.3m	6.70	6.16	5.63	5.09	4.56
CA90RA-90RB-05M	USB Cable, Right Angle Type A Male / Right Angle Type B Male, 0.5m	6.85	6.30	5.75	5.21	4.66
CA90RA-90RB-1M	USB Cable, Right Angle Type A Male / Right Angle Type B Male, 1.0m	7.25	6.67	6.09	5.51	4.93
CA90RA-90RB-2M	USB Cable, Right Angle Type A Male / Right Angle Type B Male, 2.0m	8.05	7.41	6.76	6.12	5.47
CA90RA-90RB-3M	USB Cable, Right Angle Type A Male / Right Angle Type B Male, 3.0m	8.85	8.14	7.43	6.73	6.02

Deluxe USB 2.0 Cable Assemblies – Up Angle Type A to Up Angle Type B, 30 Microinches Gold

CA90UA-90UB-05M	USB Cable, Up Angle Type A Male / Up Angle Type B Male, 0.5m	6.85	6.30	5.75	5.21	4.66
CA90UA-90UB-075M	USB Cable, Up Angle Type A Male / Up Angle Type B Male, 0.75m	7.05	6.49	5.92	5.36	4.79
CA90UA-90UB-1M	USB Cable, Up Angle Type A Male / Up Angle Type B Male, 1.0m	7.25	6.67	6.09	5.51	4.93
CA90UA-90UB-2M	USB Cable, Up Angle Type A Male / Up Angle Type B Male, 2.0m	8.05	7.41	6.76	6.12	5.47
CA90UA-90UB-5M	USB Cable, Up Angle Type A Male / Up Angle Type B Male, 5.0m	10.45	9.61	8.78	7.94	7.11

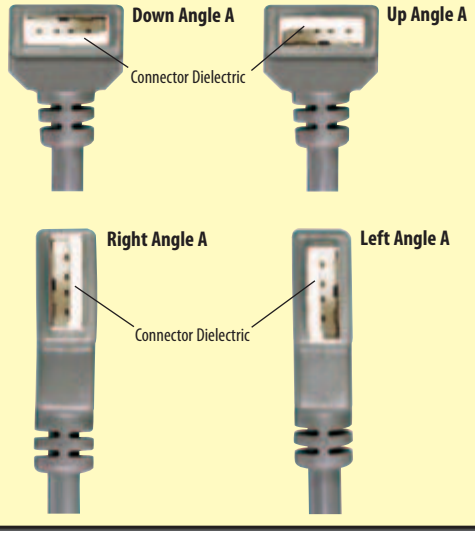
Tip

Defining angled USB cable assemblies

Angled connector hoods help connect USB cables in tight places. L-com now offers four options each for standard A and B style connectors. The photos below detail the connector position relative to the cable entry direction.

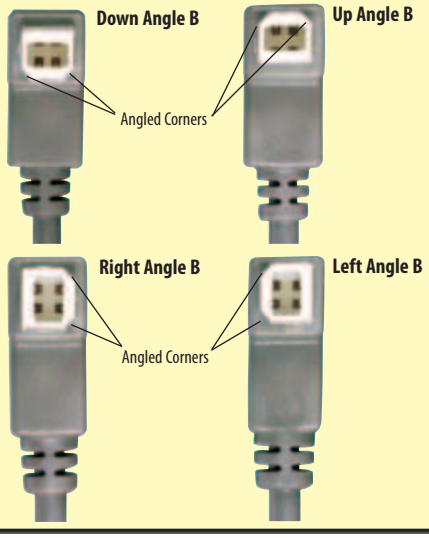
A Style Connectors

For A style connectors, the position of the connector dielectric* is key in determining the correct angle for your application. ***Note:** The connector dielectric is the plastic material that contains the contacts



B Style Connectors

For B style connectors, the angled corners of the connector are key in determining the correct angle for your application.



More lengths available. Go to L-com.com

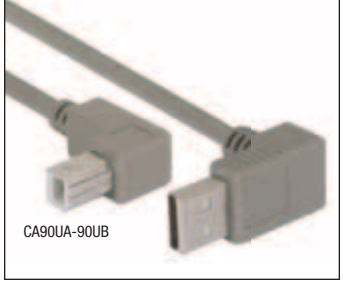

CA90LA-90LB


CAA-90UB


CA90DA-90DB


CAA-90DB


CA90RA-90RB


CA90UA-90UB

Right Angle USB explained
For detailed diagrams,
go to L-com.com/RightAngleUSB

New, shorter lengths 0.3m and 0.75m now available

L-com Global Connectivity

More lengths available.
Go to L-com.com



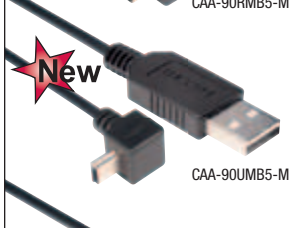
CAA-90DMB5-M



CAA-90LMB5-M



CAA-90RMB5-M



CAA-90UMB5-M



CAA-90DMICB-M



CAA-90LMICB-M



CAA-90RMICB-M



CAA-90UMICB-M

Item #	Description	1-9	10-24	25-99	100-249	250-499

Angled USB 2.0 Mini B and Micro B Cable Assemblies - Eight Options to Choose From

Molded, angled connector hoods solve difficult connection issues in tight places. Four mold options each for USB mini B5 and micro B style connectors are now available. These high quality constructed cables feature USB 2.0 compliant 28 AWG power leads and are finished in an attractive black color.

USB 2.0 Cable Assemblies - Up and Down Angle Mini B5 to Straight Type A

CAA-90UMB5-03M	USB Cable, Up Angle Mini B5 Male / Straight Type A Male, 0.3m	8.85	8.14	7.43	6.73	6.02
CAA-90UMB5-05M	USB Cable, Up Angle Mini B5 Male / Straight Type A Male, 0.5m	9.10	8.37	7.64	6.92	6.19
CAA-90UMB5-1M	USB Cable, Up Angle Mini B5 Male / Straight Type A Male, 1.0m	9.65	8.88	8.11	7.33	6.56
CAA-90UMB5-3M	USB Cable, Up Angle Mini B5 Male / Straight Type A Male, 3.0m	11.95	10.99	10.04	9.08	8.13
CAA-90DMB5-03M	USB Cable, Down Angle Mini B5 Male / Straight Type A Male, 0.3m	8.85	8.14	7.43	6.73	6.02
CAA-90DMB5-075M	USB Cable, Down Angle Mini B5 Male / Straight Type A Male, 0.75m	9.35	8.60	7.85	7.11	6.36
CAA-90DMB5-1M	USB Cable, Down Angle Mini B5 Male / Straight Type A Male, 1.0m	9.65	8.88	8.11	7.33	6.56
CAA-90DMB5-3M	USB Cable, Down Angle Mini B5 Male / Straight Type A Male, 3.0m	11.95	10.99	10.04	9.08	8.13

USB 2.0 Cable Assemblies - Left and Right Angle Mini B5 to Straight Type A

CAA-90LMB5-03M	USB Cable, Left Angle Mini B5 Male / Straight Type A Male, 0.3m	8.85	8.14	7.43	6.73	6.02
CAA-90LMB5-05M	USB Cable, Left Angle Mini B5 Male / Straight Type A Male, 0.5m	9.10	8.37	7.64	6.92	6.19
CAA-90LMB5-2M	USB Cable, Left Angle Mini B5 Male / Straight Type A Male, 2.0m	10.80	9.94	9.07	8.21	7.34
CAA-90LMB5-5M	USB Cable, Left Angle Mini B5 Male / Straight Type A Male, 5.0m	14.25	13.11	11.97	10.83	9.69
CAA-90RMB5-03M	USB Cable, Right Angle Mini B5 Male / Straight Type A Male, 0.3m	8.85	8.14	7.43	6.73	6.02
CAA-90RMB5-075M	USB Cable, Right Angle Mini B5 Male / Straight Type A Male, 0.75m	9.35	8.60	7.85	7.11	6.36
CAA-90RMB5-3M	USB Cable, Right Angle Mini B5 Male / Straight Type A Male, 3.0m	11.95	10.99	10.04	9.08	8.13
CAA-90RMB5-5M	USB Cable, Right Angle Mini B5 Male / Straight Type A Male, 5.0m	14.25	13.11	11.97	10.83	9.69

USB 2.0 Cable Assemblies - Up and Down Angle Micro B to Straight Type A

CAA-90UMICB-03M	USB Cable, Up Angle Micro B Male / Straight Type A Male, 0.3m	8.85	8.14	7.43	6.73	6.02
CAA-90UMICB-05M	USB Cable, Up Angle Micro B Male / Straight Type A Male, 0.5m	9.10	8.37	7.64	6.92	6.19
CAA-90UMICB-1M	USB Cable, Up Angle Micro B Male / Straight Type A Male, 1.0m	9.65	8.88	8.11	7.33	6.56
CAA-90UMICB-3M	USB Cable, Up Angle Micro B Male / Straight Type A Male, 3.0m	11.95	10.99	10.04	9.08	8.13
CAA-90DMICB-05M	USB Cable, Down Angle Micro B Male / Straight Type A Male, 0.5m	9.10	8.37	7.64	6.92	6.19
CAA-90DMICB-075M	USB Cable, Down Angle Micro B Male / Straight Type A Male, 0.75m	9.35	8.60	7.85	7.11	6.36
CAA-90DMICB-2M	USB Cable, Down Angle Micro B Male / Straight Type A Male, 2.0m	10.80	9.94	9.07	8.21	7.34
CAA-90DMICB-5M	USB Cable, Down Angle Micro B Male / Straight Type A Male, 5.0m	14.25	13.11	11.97	10.83	9.69

USB 2.0 Cable Assemblies - Left and Right Angle Micro B to Straight Type A

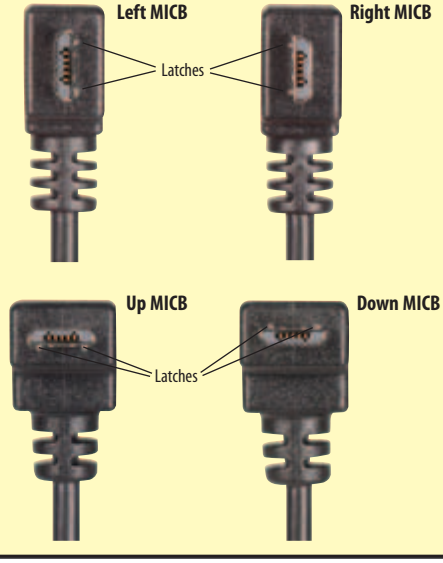
CAA-90LMICB-03M	USB Cable, Left Angle Micro B Male / Straight Type A Male, 0.3m	8.85	8.14	7.43	6.73	6.02
CAA-90LMICB-075M	USB Cable, Left Angle Micro B Male / Straight Type A Male, 0.75m	9.35	8.60	7.85	7.11	6.36
CAA-90LMICB-2M	USB Cable, Left Angle Micro B Male / Straight Type A Male, 2.0m	10.80	9.94	9.07	8.21	7.34
CAA-90LMICB-5M	USB Cable, Left Angle Micro B Male / Straight Type A Male, 5.0m	14.25	13.11	11.97	10.83	9.69
CAA-90RMICB-03M	USB Cable, Right Angle Micro B Male / Straight Type A Male, 0.3m	8.85	8.14	7.43	6.73	6.02
CAA-90RMICB-05M	USB Cable, Right Angle Micro B Male / Straight Type A Male, 0.5m	9.10	8.37	7.64	6.92	6.19
CAA-90RMICB-1M	USB Cable, Right Angle Micro B Male / Straight Type A Male, 1.0m	9.65	8.88	8.11	7.33	6.56
CAA-90RMICB-5M	USB Cable, Right Angle Micro B Male / Straight Type A Male, 5.0m	14.25	13.11	11.97	10.83	9.69

Tip

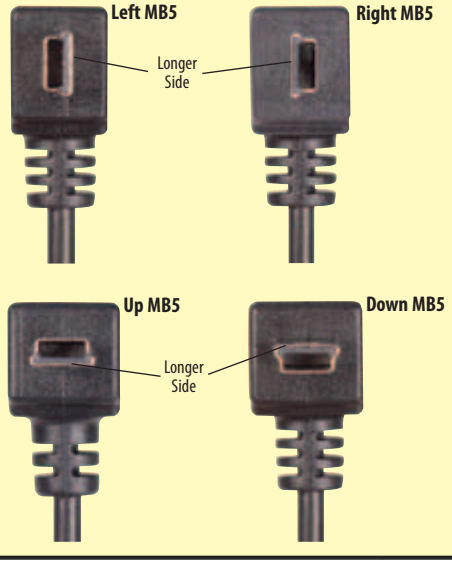
Defining angled USB cable assemblies

Angled connector hoods help connect USB cables in tight places. L-com now offers four options each for Mini B and Micro B 2.0 style connectors. The photos below detail the connector position relative to the cable entry direction.

For Micro B 5 position connectors, the two latches on the connector are key in determining the correct angle for your application. Reference the location of the latches in the photos below:



For Mini B 5 position connectors, the shape of the connector is key in determining the correct angle for your application. Reference the longer side of the connector in the photos below:



L-com Global Connectivity

New, shorter lengths 0.3m and 0.75m now available

Right Angle USB explained
For detailed diagrams, go to L-com.com/RightAngleUSB

USB Type A Female Panel Mount to Type A Male Cable Assembly

These USB 2.0 panel mount cables are perfect for use inside a box or enclosure. The USB female side is flange-style panel mountable with an alternative, smaller body compared to the popular ECF504 series. The molded panel mountable USB construction is rugged and robust, using 20 AWG power conductors and a 28 AWG twisted pair all under a double shield for maximum EMI resistance.

Item #	Description	Color	1-9	10-24	25-99	100-249	250-499
UPMAA-03M	USB Cable, Type A Female Panel Mount / Type A Male, 0.3m	Lt. Gray	8.25	7.59	6.93	6.27	5.61
UPMAA-05M	USB Cable, Type A Female Panel Mount / Type A Male, 0.5m	Lt. Gray	8.45	7.77	7.10	6.42	5.75
UPMAA-075M	USB Cable, Type A Female Panel Mount / Type A Male, 0.75m	Lt. Gray	8.70	8.00	7.31	6.61	5.92
UPMAA-1M	USB Cable, Type A Female Panel Mount / Type A Male, 1.0m	Lt. Gray	8.95	8.23	7.52	6.80	6.09
UPMAA-2M	USB Cable, Type A Female Panel Mount / Type A Male, 2.0m	Lt. Gray	9.95	9.15	8.36	7.56	6.77
UPMAA-3M	USB Cable, Type A Female Panel Mount / Type A Male, 3.0m	Lt. Gray	10.95	10.07	9.20	8.32	7.45

USB Type A Female Panel Mount to Type B Male Cable Assembly

UPMAB-03M	USB Cable, Type A Female Panel Mount / Type B Male, 0.3m	Lt. Gray	8.25	7.59	6.93	6.27	5.61
UPMAB-05M	USB Cable, Type A Female Panel Mount / Type B Male, 0.5m	Lt. Gray	8.45	7.77	7.10	6.42	5.75
UPMAB-075M	USB Cable, Type A Female Panel Mount / Type B Male, 0.75m	Lt. Gray	8.70	8.00	7.31	6.61	5.92
UPMAB-1M	USB Cable, Type A Female Panel Mount / Type B Male, 1.0m	Lt. Gray	8.95	8.23	7.52	6.80	6.09
UPMAB-2M	USB Cable, Type A Female Panel Mount / Type B Male, 2.0m	Lt. Gray	9.95	9.15	8.36	7.56	6.77
UPMAB-5M	USB Cable, Type A Female Panel Mount / Type B Male, 5.0m	Lt. Gray	12.95	11.91	10.88	9.84	8.81

USB Type B Female Panel Mount to Type A Male Cable Assembly

UPMBA-03M	USB Cable, Type B Female Panel Mount / Type A Male, 0.3m	Lt. Gray	8.25	7.59	6.93	6.27	5.61
UPMBA-05M	USB Cable, Type B Female Panel Mount / Type A Male, 0.5m	Lt. Gray	8.45	7.77	7.10	6.42	5.75
UPMBA-2M	USB Cable, Type B Female Panel Mount / Type A Male, 2.0m	Lt. Gray	9.95	9.15	8.36	7.56	6.77
UPMBA-3M	USB Cable, Type B Female Panel Mount / Type A Male, 3.0m	Lt. Gray	10.95	10.07	9.20	8.32	7.45
UPMBA-5M	USB Cable, Type B Female Panel Mount / Type A Male, 5.0m	Lt. Gray	12.95	11.91	10.88	9.84	8.81

USB Type B Female Panel Mount to Type B Male Cable Assembly

UPMBB-03M	USB Cable, Type B Female Panel Mount / Type B Male, 0.3m	Lt. Gray	8.25	7.59	6.93	6.27	5.61
UPMBB-05M	USB Cable, Type B Female Panel Mount / Type B Male, 0.5m	Lt. Gray	8.45	7.77	7.10	6.42	5.75
UPMBB-1M	USB Cable, Type B Female Panel Mount / Type B Male, 1.0m	Lt. Gray	8.95	8.23	7.52	6.80	6.09
UPMBB-2M	USB Cable, Type B Female Panel Mount / Type B Male, 2.0m	Lt. Gray	9.95	9.15	8.36	7.56	6.77
UPMBB-4M	USB Cable, Type B Female Panel Mount / Type B Male, 4.0m	Lt. Gray	11.95	10.99	10.04	9.08	8.13

USB Type A Female Panel Mount to 5 Pin Female 0.100"/2.54mm Header Connector

Designed to make "board-to-box" USB connections a cinch, this light, flexible USB cable uses a pre-installed 5 pin female housing to a molded flange-mount USB female connector. The cable is double shielded for maximum EMI resistance and the power conductors are 26 AWG.

UPMA5-03M	USB Cable, Type A Female Panel Mount / 5 Pin Female, 0.3m	Gray	7.19	6.61	6.04	5.46	4.89
UPMA5-05M	USB Cable, Type A Female Panel Mount / 5 Pin Female, 0.5m	Gray	7.35	6.76	6.17	5.59	5.00
UPMA5-075M	USB Cable, Type A Female Panel Mount / 5 Pin Female, 0.75m	Gray	7.55	6.95	6.34	5.74	5.13
UPMA5-1M	USB Cable, Type A Female Panel Mount / 5 Pin Female, 1.0m	Gray	7.75	7.13	6.51	5.89	5.27
UPMA5-2M	USB Cable, Type A Female Panel Mount / 5 Pin Female, 2.0m	Gray	8.55	7.87	7.18	6.50	5.81

USB Type B Female Panel Mount to 5 Pin Female 0.100"/2.54mm Header Connector

UPMB5-03M	USB Cable, Type B Female Panel Mount / 5 Pin Female, 0.3m	Gray	7.19	6.61	6.04	5.46	4.89
UPMB5-075M	USB Cable, Type B Female Panel Mount / 5 Pin Female, 0.75m	Gray	7.55	6.95	6.34	5.74	5.13
UPMB5-1M	USB Cable, Type B Female Panel Mount / 5 Pin Female, 1.0m	Gray	7.75	7.13	6.51	5.89	5.27
UPMB5-2M	USB Cable, Type B Female Panel Mount / 5 Pin Female, 2.0m	Gray	8.55	7.87	7.18	6.50	5.81
UPMB5-3M	USB Cable, Type B Female Panel Mount / 5 Pin Female, 3.0m	Gray	9.35	8.60	7.85	7.11	6.36

USB 3.0 Type A Female Panel Mount to Type A Male Cable Assembly

Newly designed USB 3.0 versions of our popular UPM style panel mount USB adapter cables are now available! This series features a bulkhead Type A 3.0 jack to a molded Type A 3.0 plug attached via USB 3.0 compliant cable.

UPMAA-30-03M	USB 3.0 Cable, Type A Female Panel Mount / Type A Male, 0.3m	Blue	16.00	15.04	14.08	13.12	12.16
UPMAA-30-05M	USB 3.0 Cable, Type A Female Panel Mount / Type A Male, 0.5m	Blue	16.40	15.42	14.43	13.45	12.46
UPMAA-30-1M	USB 3.0 Cable, Type A Female Panel Mount / Type A Male, 1.0m	Blue	17.30	16.26	15.22	14.19	13.15
UPMAA-30-2M	USB 3.0 Cable, Type A Female Panel Mount / Type A Male, 2.0m	Blue	19.10	17.95	16.81	15.66	14.52
UPMAA-30-3M	USB 3.0 Cable, Type A Female Panel Mount / Type A Male, 3.0m	Blue	20.90	19.65	18.39	17.14	15.88

USB Type A or B Female Panel Mount Connectors to 24" (61.0cm) Wire Leads

This option features a bulkhead Type A or B Jack with 24 inches of un-terminated 24 AWG lead wires.

UPMA-LEADS	USB Type A Panel Mount Connector, 24in (61.0cm) Leads	Gray	7.45	6.85	6.26	5.66	5.07
UPMB-LEADS	USB Type B Panel Mount Connector, 24in (61.0cm) Leads	Gray	7.45	6.85	6.26	5.66	5.07

USB 3.0 Type A Female Shielded Panel Mount Coupler to Type A Male Connector, 30 Microinches Gold

Newly designed USB 3.0 versions of our popular ECF style panel mount USB adapter cables are now available! This series features a bulkhead Type A 3.0 jack to a molded Type A 3.0 plug attached via USB 3.0 compliant cable. Integral to this design is a multi-layered PCB that maintains USB 3.0 speed and performance. USB 3.0 systems are up to 10 times faster than USB 2.0 - 4.8 Gbps versus 480 Mbps. The increased bandwidth substantially reduces the time required for transferring large amounts of data or video. These assemblies are fully shielded and use L-com's popular ECF504 style housing that can be used with virtually any panel thickness. The recommended 4-40 mounting screws must be purchased separately (P/N ECF440). Custom lengths available upon request with minimal quantity requirements.

ECF504-30-03AAS	USB 3.0 Type A Coupler, Female Bulkhead / Type A Male, 0.3m	Blue	18.50	17.76	17.02	16.28	15.54
ECF504-30-05AAS	USB 3.0 Type A Coupler, Female Bulkhead / Type A Male, 0.5m	Blue	18.85	18.10	17.34	16.59	15.83
ECF504-30-075AAS	USB 3.0 Type A Coupler, Female Bulkhead / Type A Male, 0.75m	Blue	19.30	18.53	17.76	16.98	16.21
ECF504-30-1AAS	USB 3.0 Type A Coupler, Female Bulkhead / Type A Male, 1.0m	Blue	19.75	18.96	18.17	17.38	16.59
ECF440	Machine Screws, 4-40 x 5/16", Pkg/100		4.35	4.00	3.65	3.31	2.96

USB Protective Covers with Lanyard – for Type A and B Jacks - Pkg/10

These new covers add a lanyard feature to enhance our existing USB cover product line. They are perfect for protecting unused USB female ports in our panel mount couplers or any expensive equipment from physical damage, dirt and dust. The lanyard is perfectly sized to fit the 4-40 screws used in our ECF and UPM panel mount products. Made from soft polyethylene, these covers attach easily and stay in place with a snug friction fit. Color is black.

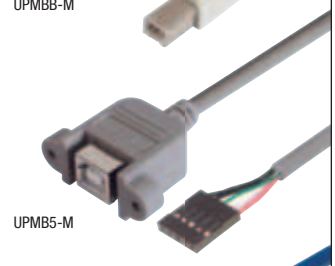
CAP-A-USB-LAN	USB Protective Cover with Lanyard for USB Type A Jacks, Pkg/10	Black	6.75	6.21	5.67	5.13	4.59
CAP-B-USB-LAN	USB Protective Cover with Lanyard for USB Type B Jacks, Pkg/10	Black	6.75	6.21	5.67	5.13	4.59

More lengths available.
Go to L-com.com


UPMAB-M


UPMBA-M


UPMBB-M

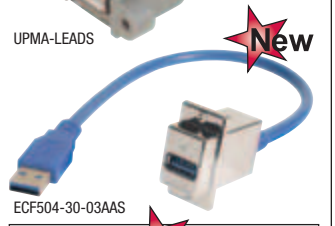

UPMB5-M



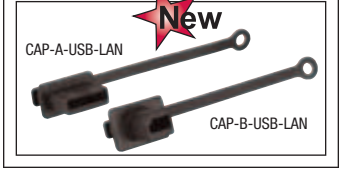
UPMAA-30-M



UPMA-LEADS



ECF504-30-03AAS



To see our entire product offering
go to...L-com.com

New, shorter lengths 0.3m and 0.75m now available

L-com Global Connectivity



Item #	Description	Color	1-9	10-24	25-99	100-249	250-499

USB Type A Female Shielded Panel Mount Coupler to USB Type A Male Connector, 30 Microinches Gold

These options feature a bulkhead Type A jack to a molded Type A plug and USB 2.0 compliant cable. Assemblies are fully shielded and can be used in virtually any panel thickness. Recommended 4-40 mounting screws must be purchased separately.

ECF504-12AAS	USB Type A Coupler, Female Bulkhead / Male, 12in (30.5cm)	Silver	9.95	9.75	9.35	8.76	7.46
ECF504-24AAS	USB Type A Coupler, Female Bulkhead / Male, 24in (61.0cm)	Silver	10.35	10.14	9.73	9.11	7.76
ECF504-36AAS	USB Type A Coupler, Female Bulkhead / Male, 36in (91.4cm)	Silver	10.65	10.44	10.01	9.37	7.99
ECF504-72AAS	USB Type A Coupler, Female Bulkhead / Male, 72in (182.9cm)	Silver	11.55	11.32	10.86	10.16	8.66
ECF504-120AAS	USB Type A Coupler, Female Bulkhead / Male, 120in (304.8cm)	Silver	12.75	12.49	11.98	11.22	9.56
ECF440	Machine Screws, 4-40 x 5/16", Pkg/100		4.35	4.00	3.65	3.31	2.96

USB Type B Female Shielded Panel Mount Coupler to USB Type B Male Connector, 30 Microinches Gold

Another unique panel mount USB option features a bulkhead Type B jack to a molded Type B plug attached via USB 2.0 compliant cable. These cables can be directly connected to a mating connector inside an enclosure. These assemblies are fully shielded and use L-com's popular ECF504 style housing that can be used with virtually any panel thickness. The recommended 4-40 mounting screws must be purchased separately (P/N ECF440). Custom lengths available upon request with minimal quantity requirements.

ECF504-12BBS	USB Type B Coupler, Female Bulkhead / Male, 12in (30.5cm)	Silver	9.95	9.75	9.35	8.76	7.46
ECF504-24BBS	USB Type B Coupler, Female Bulkhead / Male, 24in (61.0cm)	Silver	10.35	10.14	9.73	9.11	7.76
ECF504-36BBS	USB Type B Coupler, Female Bulkhead / Male, 36in (91.4cm)	Silver	10.65	10.44	10.01	9.37	7.99
ECF504-72BBS	USB Type B Coupler, Female Bulkhead / Male, 72in (183.0cm)	Silver	11.55	11.32	10.86	10.16	8.66
ECF504-120BBS	USB Type B Coupler, Female Bulkhead / Male, 120in (305.0cm)	Silver	12.75	12.49	11.98	11.22	9.56
ECF440	Machine Screws, 4-40 x 5/16", Pkg/100		4.35	4.00	3.65	3.31	2.96

USB Type A or B Female Panel Mount Coupler to 5 Meter Un-terminated Pigtail Cable

These additions to the popular USB panel mount adapter line allow users the flexibility to configure their own assembly. They feature a shielded bulkhead Type A or B Jack with 5 meters of un-terminated USB 2.0 compliant cable. Users can cut the cable to the desired length and hard wire or terminate it with their connector of choice. L-com can custom terminate these cable ends with modest minimum requirements. Recommended 4-40 mounting screws must be purchased separately.

ECF504-5M	USB Type A Female Panel Mount Coupler / 5.0m Cable	Silver	11.95	11.71	11.23	10.52	8.96
ECF504-B-5M	USB Type B Female Panel Mount Coupler / 5.0m Cable	Silver	11.95	11.71	11.23	10.52	8.96
ECF440	Machine Screws, 4-40 x 5/16", Pkg/100		4.35	4.00	3.65	3.31	2.96

Panel Mounted USB Type Couplers, 30 Microinches Gold

These couplers are great for connecting USB style connectors into panels, etc. Available in many USB connector combinations with your choice of shielded and unshielded versions. Unshielded is available in Black or Ivory, shielded is Silver. Recommended 4-40 mounting screws must be purchased separately.

ECF504-UABS	USB Type A - Type B Coupler, Shielded	Silver	6.95	6.81	6.53	6.12	5.21
ECF504-UAAS	USB Type A - Type A Coupler, Shielded	Silver	6.95	6.81	6.53	6.12	5.21
ECF504-BAS	USB Type B - Type A Coupler, Shielded	Silver	6.95	6.81	6.53	6.12	5.21
ECF504-UAB	USB Type A - Type B Coupler	Ivory	5.95	5.83	5.59	5.24	4.46
ECF504-UAA	USB Type A - Type A Coupler	Ivory	5.95	5.83	5.59	5.24	4.46
ECF504-UBA	USB Type B - Type A Coupler	Ivory	5.95	5.83	5.59	5.24	4.46
ECF504B-UAB	USB Type A - Type B Coupler	Black	5.95	5.83	5.59	5.24	4.46
ECF504B-UAA	USB Type A - Type A Coupler	Black	5.95	5.83	5.59	5.24	4.46
ECF504B-UBA	USB Type B - Type A Coupler	Black	5.95	5.83	5.59	5.24	4.46
ECF440	Machine Screws, 4-40 x 5/16", Pkg/100		4.35	4.00	3.65	3.31	2.96

USB Type A and B Panel Couplers with 10" Wire Leads, 30 Microinches Gold

Similar to our ECF504 USB coupler except with wire leads in the rear to connect to equipment. Choose from USB Type A or B jacks in Black or Ivory. Wires are 20 AWG (2 power) and 24 AWG (2 signal) stranded wires with an additional drain to shield. Recommended 4-40 mounting screws must be purchased separately.

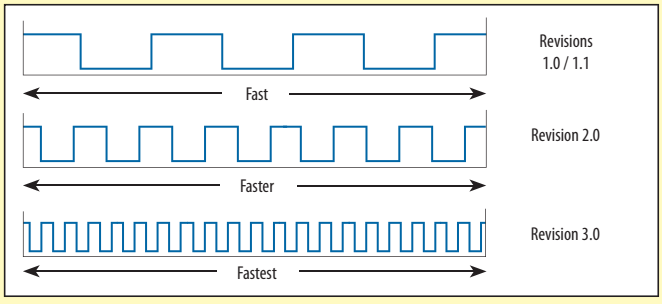
ECJ504-UA	USB Type A Jack, 10" (25.4cm) Leads	Ivory	5.25	5.14	4.93	4.62	3.94
ECJ504-UB	USB Type B Jack, 10" (25.4cm) Leads	Ivory	5.25	5.14	4.93	4.62	3.94
ECJ504B-UA	USB Type A Jack, 10" (25.4cm) Leads	Black	5.25	5.14	4.93	4.62	3.94
ECJ504B-UB	USB Type B Jack, 10" (25.4cm) Leads	Black	5.25	5.14	4.93	4.62	3.94
ECF440	Machine Screws, 4-40 x 5/16", Pkg/100		4.35	4.00	3.65	3.31	2.96

Tip *USB speeds:*

Revisions 1.0 / 1.1 devices operate at 12Mbps maximum. This is adequate for mice, keyboards and some printers but frustratingly slow for large amounts of data or video.

Revision 2.0 devices operate at 480 Mbps maximum. This is plenty fast enough for mice, keyboards and most printers but can still require long periods of time for large amounts of data or video.

New Revision 3.0 devices operate at 4.8 Gbps maximum, approximately 10 times faster than revision 2.0. The increased bandwidth substantially reduces the time required for transferring large amounts of data or video. For example, an HD movie that requires 14 minutes to download with USB 2.0 devices and cables takes approximately 70 seconds using USB 3.0 equipment.



Backward Compatibility:
USB 2.0 and 1.0/1.1 are fully mechanically compatible.

Type A - 3.0, 2.0 and 1.0/1.1 are mechanically compatible. The 3.0 connector adds additional contacts to achieve the higher speeds.

Type B – 2.0 and 1.0/1.1 connectors are compatible with 3.0 ports but not vice versa. This is due to the extended perimeter of the 3.0 connector.

Micro B - 2.0 and 1.0/1.1 connectors are compatible with 3.0 ports but not vice versa. The 3.0 connector adds an extended portion for the extra contacts.

The weakest link in the chain rule applies to USB systems – speed will be limited to the lowest revision host, cable or device in any given system.

See page 100 for USB connector photos.

L-com Global Connectivity

Customer Testimonials
Read why others choose L-com.
L-com.com/Testimonials

Item #	Description	Color	1-9	10-24	25-99	100-249	250-499

USB Type A and B Female Field Termination Connector

The USB field termination female connectors provide an easy and convenient way to perform field termination for USB applications. USB 2.0 standard A and B connector styles are available. Separate connection points are provided for all 4 positions of the connector plus the ground. Terminal block design with set screws provides reliable electrical connections utilizing no special tools. The terminal block area is clearly marked making proper termination virtually foolproof. Panel mountable using 4-40 screws provided.

USBAFT	USB Field Termination Connector, Type A Female		6.25	5.88	5.50	5.13	4.75
USBBFT	USB Field Termination Connector, Type B Female		6.25	5.88	5.50	5.13	4.75

USB Keystone Feed Through Coupler – Type A/B Connectors, Fully Shielded

Our new shielded USB keystone coupler can be easily installed into typical panels, wall plate openings and enclosures. Connectors are USB A female on the front and USB B female on the back. The stamped metal shell and one piece design provides maximum protection from EMI/RFI. Contact us for aggressive pricing for your larger projects.

UADKEY-AB	USB Keystone Coupler, Type A Female / Type B Female	Silver	8.95	8.23	7.52	6.80	6.09

Flanged Panel Mounted USB 2.0 Coupler - Type A/B Connectors, Fully Shielded

This unique product combines L-com's fully shielded keystone coupler, UADKEY-AB, with a solid die-cast metal mounting frame allowing for mounting in virtually any panel thickness. 4-40 machine screws are provided.

ECF504-AB	USB Keystone Flanged Coupler, Type A Female / Type B Female	Silver	9.95	9.15	8.36	7.56	6.77

USB Surge/Lightning Protector – Type A/B Connectors, Panel Mountable

The L-com AL-ECF504-AB USB surge protector is a commercial quality device designed to protect a computer's sensitive USB port from surges and spikes from attached devices. To ensure USB 2.0 speeds, the device uses ultra-low capacitance diodes to protect the data lines. In addition, a protection device clamps the power lines to safe levels. It can be mounted on an enclosure, panel mounted or used in-line as a stand alone product.

AL-ECF504-AB	USB Surge / Lightning Protector, Type A/B	Silver	15.95	14.99	14.04	13.08	12.12

USB 2.0 Manual Switch Box - (1) Type B and (2) Type A Ports

This handy switch box allows the user to share two USB devices with one computer. Equipped with one Type B I/O port and two type A ports. Lightweight design and all metal case provides easy set up and durability.

SWIT-USB2-BAA	USB Manual Switch Box		11.75	11.52	11.28	11.04	10.81

USB Protective Covers with Lanyard – for Type A and B Jacks - Pkg/10

These new covers add a lanyard feature to enhance our existing USB cover product line. They are perfect for protecting unused USB female ports in our panel mount couplers or any expensive equipment from physical damage, dirt and dust. The lanyard is perfectly sized to fit the 4-40 screws used in our ECF and UPM panel mount products. Made from soft polyethylene, these covers attach easily and stay in place with a snug friction fit. Color is black.

CAP-A-USB-LAN	USB Protective Cover with Lanyard for USB Type A Jacks, Pkg/10	Black	6.75	6.21	5.67	5.13	4.59
CAP-B-USB-LAN	USB Protective Cover with Lanyard for USB Type B Jacks, Pkg/10	Black	6.75	6.21	5.67	5.13	4.59

Tip *Waterproof Connectors - Where are they used and how are they rated?*

Where are they used?

Applications for these connectors are numerous and include automotive, communication, industrial and medical instruments. Dust and moisture are the two most common contaminants that enter through exposed data ports, damaging or destroying electronic equipment. Fortunately, specially sealed cables and connectors are available from L-com to protect these ports from dust and moisture.

L-com offers a number of protected interface types including:

D-subminiature for many serial and parallel devices



RJ45 for industrial Ethernet applications



USB for device interconnection and data transfer



Fiber Optic for industrial networks/harsh environments



How are they rated?

The most popular system to rate the environmental protection of a particular connector is the Ingress Protection Rating (commonly known as IP Rating).

The IP Rating is a number ranging from 1 to 3 digits.

- The first digit rates protection against ingress of solid objects
- The second digit rates protection against ingress of liquids
- The third digit rates protection against impact damage

The chart at right details the first two digit ratings:

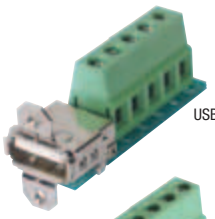
Note: Many products, including L-com products, are not rated for impact. Larger value digits indicate greater protection against that substance/force.

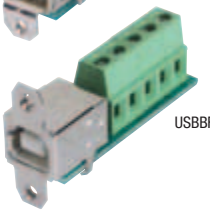
IP

Solids	
0	Non-Protected
1	≥ 50mm diameter
2	≥ 12.5mm diameter
3	≥ 2.5mm diameter
4	≥ 1.0mm diameter
5	Dust-protected
6	Dust-tight

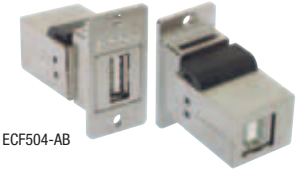
Dust Protected - Dust may not be totally prevented, however, it must not interfere with the operation of the device or impair safety.
Dust Tight - No ingress of dust allowed.

Liquids	
0	Non-Protected
1	Vertical Dripping
2	Dripping (15° tilted)
3	Spraying (up to 60°)
4	Splashing (from any direction)
5	Jetting (from any direction)
6	Powerful Jetting (from any direction)
7	Temporary Immersion (30 min., 1m)
8	Continuous Immersion (user defined)


USBAFT


USBBFT


UADKEY-AB


ECF504-AB


AL-ECF504-AB


SWIT-USB2-BAA

New


CAP-A-USB-LAN


CAP-A-USB-LAN Attached


CAP-B-USB-LAN


CAP-B-USB-LAN Attached

Same day shipping
Orders placed before 4:00 EST ship the same day.

L-com Global Connectivity



Item #	Description	1-9	10-24	25-99	100-249	250-499

Waterproof USB Cable Assemblies - IEC IP67 Rated, Revision 2.0 Compliant

Standard USB connectors are not intended to withstand contaminants such as water and dust. Our Waterproof USB cable assemblies utilize rugged, molded or metal outer shells and a threaded coupling with an O-ring seal and are IEC IP67 rated. Assemblies are offered in a variety of lengths and connector options. All feature revision 2.0 compliant fully shielded cable and threaded couplings. Color is Black.

Waterproof USB Cable Assemblies - Panel Mount Type A Male - Standard Type B Male

WPUSBAB-2M	USB Cable, Waterproof Type A Male / Standard Type B Male, 2.0m	19.00	18.62	17.86	16.72	14.25
WPUSBAB-5M	USB Cable, Waterproof Type A Male / Standard Type B Male, 5.0m	22.00	21.56	20.68	19.36	16.50

Waterproof USB Cable Assemblies - Panel Mount Type A Female - Standard Type A Male

WPUSBAX-05M	USB Cable, Waterproof Panel Mt. Type A Female / Standard Type A Male, 0.5m	17.50	17.15	16.45	15.40	13.13
WPUSBAX-1M	USB Cable, Waterproof Panel Mt. Type A Female / Standard Type A Male, 1.0m	18.00	17.64	16.92	15.84	13.50
WPUSBAX-2M	USB Cable, Waterproof Panel Mt. Type A Female / Standard Type A Male, 2.0m	19.00	18.62	17.86	16.72	14.25
WPUSBAX-3M	USB Cable, Waterproof Panel Mt. Type A Female / Standard Type A Male, 3.0m	20.00	19.60	18.80	17.60	15.00
WPUSBAX-5M	USB Cable, Waterproof Panel Mt. Type A Female / Standard Type A Male, 5.0m	22.00	21.56	20.68	19.36	16.50

Waterproof USB Cable Assemblies - Panel Mount Type B Female - Standard Type A Male

WPUSBBA-05M	USB Cable, Waterproof Panel Mt. Type B Female / Standard Type A Male, 0.5m	17.50	17.15	16.45	15.40	13.13
WPUSBBA-1M	USB Cable, Waterproof Panel Mt. Type B Female / Standard Type A Male, 1.0m	18.00	17.64	16.92	15.84	13.50
WPUSBBA-2M	USB Cable, Waterproof Panel Mt. Type B Female / Standard Type A Male, 2.0m	19.00	18.62	17.86	16.72	14.25
WPUSBBA-3M	USB Cable, Waterproof Panel Mt. Type B Female / Standard Type A Male, 3.0m	20.00	19.60	18.80	17.60	15.00
WPUSBBA-5M	USB Cable, Waterproof Panel Mt. Type B Female / Standard Type A Male, 5.0m	22.00	21.56	20.68	19.36	16.50

Waterproof USB Cable Assemblies - Panel Mount Type B Male - Standard Type B Male

WPUSBBB-2M	USB Cable, Waterproof Panel Mt. Type B Male / Standard Type B Male, 2.0m	19.00	18.62	17.86	16.72	14.25
WPUSBBB-5M	USB Cable, Waterproof Panel Mt. Type B Male / Standard Type B Male, 5.0m	22.00	21.56	20.68	19.36	16.50

Waterproof USB Jacks with 10" Wire Leads - Type A and Type B Available

These cables are ideal for enclosures or panels that are exposed to harsh environments. Wire leads are 24 AWG and can easily be soldered into a PCB or terminated with a variety of connectors.

WPUSBAF	USB Jack, Waterproof Type A with 10" (25.4cm) Wire Leads	15.00	14.10	13.20	12.30	11.40
WPUSBBF	USB Jack, Waterproof Type B with 10" (25.4cm) Wire Leads	15.00	14.10	13.20	12.30	11.40

Non-Shielded USB Covers and Replacement Nuts/Gaskets

Protect unused IP67 ports with waterproof covers. Choose among two lanyard styles - chain or rubber. L-com also offers easy to install replacement gaskets and nuts for its popular IP67 rated USB and Firewire cable assemblies. The covers, nuts and gaskets are compatible with WPUSBAX, WPUSBBA, WPUSBBF, WPUSBAF and WP946PMF product families.

WPUSB-CVR	Waterproof USB/Firewire Cover with Metal Lanyard	4.35	4.09	3.83	3.57	3.31
WPCVR-USB-1394	Waterproof USB/Firewire Cover with Rubber Lanyard	4.35	4.09	3.83	3.57	3.31
WPNUT-13/16-28	USB Replacement Hex Nut	5.25	4.83	4.41	3.99	3.57
WPGASKET-13/16	USB Replacement Rubber Gasket	2.25	2.07	1.89	1.71	1.53

Waterproof USB Cable, Mini B 5 Female - Mini B 5 Male

L-com's exclusive Waterproof USB Mini B 5 position cable assemblies are designed for the most demanding industrial applications where dust and moisture are present.

WPUSBMB5X-05M	Waterproof USB Cable, Mini B 5 Female / Mini B 5 Male, 0.5m	18.50	18.13	17.39	16.28	13.88
WPUSBMB5X-2M	Waterproof USB Cable, Mini B 5 Female / Mini B 5 Male, 2.0m	20.00	19.60	18.80	17.60	15.00
WPUSBMB5X-5M	Waterproof USB Cable, Mini B 5 Female / Mini B 5 Male, 5.0m	23.00	22.54	21.62	20.24	17.25

Waterproof Cover for WPUSBMB5X Series

WPUSBMINI-CVR	USB Cover for WPUSBMB5X Series Cables	4.65	4.37	4.09	3.81	3.53

Waterproof USB Field Installable Connectors - Revision 2.0 Compliant, IP67 Rated

Available in type A or B styles, these connectors are a perfect complement to our popular IP67 USB cable assemblies. Solder connectors and a sealing nut that conforms to any USB cable diameter allows the user to make their own water/dust proof cable assemblies. In addition, these connectors are panel mountable and mate with our male IP67 cable assemblies as well as our IP67 covers. L-com will manufacture custom cable assemblies using these connectors with short lead times and low minimum quantity requirements.

WPUSBCN-A-2.0	Waterproof Panel Mount USB 2.0 Type A Connector, Female	11.50	10.81	10.12	9.43	8.74
WPUSBCN-B-2.0	Waterproof Panel Mount USB 2.0 Type B Connector, Female	11.50	10.81	10.12	9.43	8.74

USB Cable, Shielded Waterproof Panel Mount Type A Female - Standard Type A Male

Fully shielded versions of our popular IP67 rated USB cables are now available. These cables feature a die cast steel panel mountable female USB A connector and a standard male USB A connector. The steel housing allows for efficient grounding to a panel or enclosure. Mates with shielded male IP67 rated cable series WPUSBABSH or cover and seal with part number WPCVR-SHLD-USB.

WPUSBAXSH-05M	USB Cable, Shld. Waterproof Panel Mnt. Type A Female / Std. Type A Male, 0.5m	34.00	32.64	31.28	29.92	28.56
WPUSBAXSH-1M	USB Cable, Shld. Waterproof Panel Mnt. Type A Female / Std. Type A Male, 1.0m	34.50	33.12	31.74	30.36	28.98
WPUSBAXSH-2M	USB Cable, Shld. Waterproof Panel Mnt. Type A Female / Std. Type A Male, 2.0m	35.50	34.08	32.66	31.24	29.82
WPUSBAXSH-3M	USB Cable, Shld. Waterproof Panel Mnt. Type A Female / Std. Type A Male, 3.0m	36.50	35.04	33.58	32.12	30.66
WPUSBAXSH-5M	USB Cable, Shld. Waterproof Panel Mnt. Type A Female / Std. Type A Male, 5.0m	38.50	36.96	35.42	33.88	32.34

USB Cable, Shielded Waterproof Type A Male - Standard Type B Male

These cables feature a male USB A connector with a metal coupling nut and a standard male USB B connector. The type A connector is designed to mate with our WPUSBAXSH cable series to provide a completely shielded IP67 solution.

WPUSBABSH-05M	USB Cable, Shielded Waterproof Type A Male / Standard Type B Male, 0.5m	29.00	27.26	25.52	23.78	22.04
WPUSBABSH-2M	USB Cable, Shielded Waterproof Type A Male / Standard Type B Male, 2.0m	30.50	28.67	26.84	25.01	23.18
WPUSBABSH-5M	USB Cable, Shielded Waterproof Type A Male / Standard Type B Male, 5.0m	33.50	31.49	29.48	27.47	25.46

Shielded Waterproof Cap for WPUSBAX Series

WPCVR-SHLD-USB	Shielded Waterproof Cap for WPUSBAX Series	6.50	5.98	5.46	4.94	4.42

Item #	Description	Color	1-9	10-24	25-99	100-249	250-499

USB Coil Cord - Type A Latching Connector to Type B Connector, 10.5 Feet Extended

This unique cable assembly features a polyurethane jacketed coil cord plus a latching Type A USB connector providing improved mating retention with any USB Type A jack. The latches lock into the channels on each side of a USB jack when fully mated. Retracted length is approximately 2.5 feet expanding to 10.5 feet. Fully shielded and USB 2.0 compliant, this cable contains two 28 AWG power conductors plus one 28 AWG twisted pair for data lines.

COILUAB	USB Coil Cord, Latching Type A Male / Type B Male	Black	16.95	16.27	15.59	14.41	12.71

Variable Length USB Coil Cable - Mini B 5 Position Male/Female

This innovative USB coil cable from L-com features a retracted length 0.5 meters and an expanded length of two meters and can be used with GPS systems as well as cameras and other peripherals using the USB Mini B5 interface. All 5 mini B positions are connected to insure proper functionality in every application. The tough, durable polyurethane jacket enhances recoil memory and 30 microinch gold plated contacts provide reliable connections with repeated mating cycles. Order online today!

COILMB5EXT-2M	USB Coil Cable - Mini B 5 Position Male / Female, 0.5m to 2.0m	Black	11.50	10.58	9.66	8.74	7.82

Flexible USB Adapter, Type A Male/Female

L-com's UADFLEX-1 flexible USB adapter features vertical and horizontal hinges which allow the adapter to rotate in virtually any direction, making it perfect for hard to reach or tight fit applications. This flexible USB adapter is shielded to protect against data corrupting EMI/RFI and utilizes gold plating on all contacts to provide reliable connections with repeated mating cycles.

UADFLEX-1	USB Flexible Adapter, Type A Male / Type A Female	Black	9.99	9.19	8.39	7.59	6.79

USB 2.0 and 3.0 Adapters - Molded and Fully Shielded

These adapters provide an economical way for users to solve gender and connector type mismatches among standard USB connectors.

UAD010MF	USB Adapter, Type A Male / Type B Female	Lt. Gray	4.25	4.17	3.99	3.74	3.19
UAD011FM	USB Adapter, Type A Female / Type B Male	Lt. Gray	4.25	4.17	3.99	3.74	3.19
UAD012FF	USB Adapter, Type B Female / Type B Female	Lt. Gray	4.25	4.17	3.99	3.74	3.19
UAD013FF	USB Adapter, Type A Female / Type B Female	Lt. Gray	4.25	4.17	3.99	3.74	3.19
UAD014MM	USB Adapter, Type A Male / Type A Male	Lt. Gray	4.25	4.17	3.99	3.74	3.19
UAD015FF	USB Adapter, Type A Female / Type A Female	Lt. Gray	4.25	4.17	3.99	3.74	3.19
UAD016MM	USB Adapter, Type B Male / Type B Male	Lt. Gray	4.25	4.17	3.99	3.74	3.19
UAD017FM	USB Adapter, Type A Female / Mini DIN 6 Male	Lt. Gray	4.25	4.17	3.99	3.74	3.19
UAD018MF	USB Adapter, Type A Male / Mini DIN 6 Female	Lt. Gray	4.25	4.17	3.99	3.74	3.19
UAD019FM	USB Adapter, Type A Female / Mini-B5 Male	Black	4.25	4.17	3.99	3.74	3.19
UAD026MF	USB Adapter, Type A Male / Female	Lt. Gray	4.25	4.17	3.99	3.74	3.19
UAD027MF	USB Adapter, Type B Male / Female	Lt. Gray	4.25	4.17	3.99	3.74	3.19

USB 2.0 Micro B Adapters

UAD030MF	USB Adapter, Micro B Male / Mini B5 Female	Black	4.25	4.17	3.99	3.74	3.19
UAD031MM	USB Adapter, Micro B Male / Standard A Male	Black	4.25	4.17	3.99	3.74	3.19
UAD032FM	USB Adapter, Micro B Male / Standard A Female	Lt. Gray	4.25	4.17	3.99	3.74	3.19
UAD033FM	USB Adapter, Micro B Male / Standard B Female	Lt. Gray	4.25	4.17	3.99	3.74	3.19

USB 3.0 Adapters

UAD035MF	USB 3.0 Socket Saver, Type A Male / Type A Female	Blue	8.75	8.57	8.22	7.70	6.56
UAD036FF	USB 3.0 Gender Changer, Type A Female / Type A Female	Blue	8.75	8.57	8.22	7.70	6.56
UAD037MM	USB 3.0 Gender Changer, Type A Male / Type A Male	Blue	8.75	8.57	8.22	7.70	6.56

USB Type A Low Profile Right Angle Adapters

L-com's UADAA90 series low profile right angle USB adapters are perfect for tight fit applications. Two exit options are available allowing cables to exit in opposite directions. These USB adapters are a much lower cost solution when compared to rotating USB adapters.

UADAA90-1	Right Angle USB Adapter, Type A Male / Female, Exit 1	Lt. Gray	4.95	4.55	4.16	3.76	3.37
UADAA90-2	Right Angle USB Adapter, Type A Male / Female, Exit 2	Lt. Gray	4.95	4.55	4.16	3.76	3.37

USB Type B Low Profile Right Angle Adapters

L-com's UADBB90 series low profile right angle USB adapters feature two exit options allowing cables to exit in opposite directions. Our UADBB90 series USB adapters are a much lower cost solution when compared to rotating USB adapters. Additionally, these robust 90° USB adapters feature 20 AWG power leads for maximum power transfer and 100% shielding throughout for protection against data corrupting EMI/RFI.

UADBB90-1	Right Angle USB Adapter, Type B Male / Female, Exit 1	Lt. Gray	4.95	4.55	4.16	3.76	3.37
UADBB90-2	Right Angle USB Adapter, Type B Male / Female, Exit 2	Lt. Gray	4.95	4.55	4.16	3.76	3.37

USB 2.0 Mini B5 or Micro B Male - Female Low Profile Right Angle Adapters

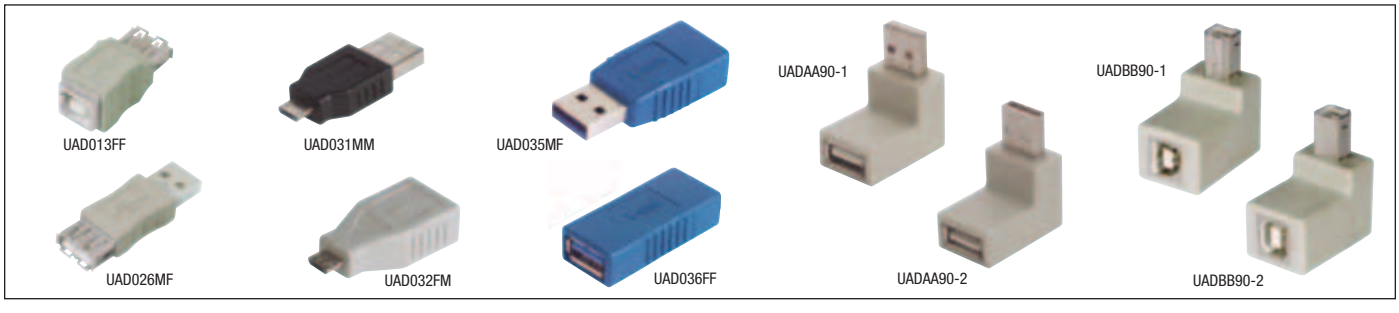
L-com's low profile right angle USB adapters are perfect for tight fit applications. Two exit options are available allowing cables to exit in opposite directions. Additionally, these robust 90° USB adapters feature 30 microinch gold plated contacts to stand up to many mating cycles and 100% shielding throughout for protection against data corrupting EMI/RFI.

UAD2.0MB5-1	Right Angle USB Adapter, Mini B Male / Female, Exit 1	Black	4.95	4.55	4.16	3.76	3.37
UAD2.0MB5-2	Right Angle USB Adapter, Mini B Male / Female, Exit 2	Black	4.95	4.55	4.16	3.76	3.37
UAD2.0MICB-1	Right Angle USB Adapter, Micro B Male / Female, Exit 1	Black	4.95	4.55	4.16	3.76	3.37
UAD2.0MICB-2	Right Angle USB Adapter, Micro B Male / Female, Exit 2	Black	4.95	4.55	4.16	3.76	3.37



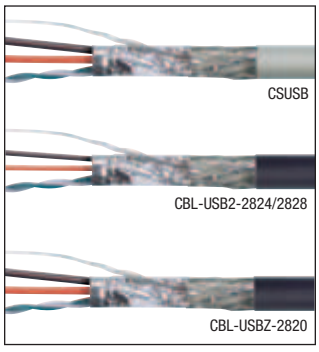


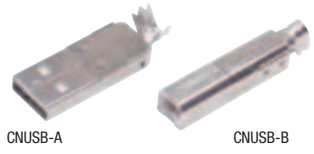




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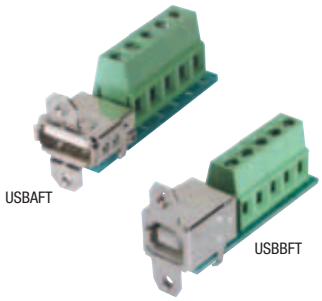
L-com® Global Connectivity

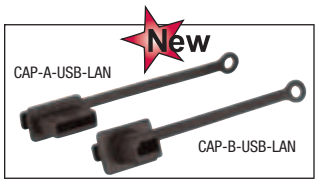












Item #	Description	Color	1-9	10-24	25-99	100-249	250-499

USB Revision 2.0 Compliant Bulk Cable

This cable will support the 480 Mbps transmission rate of a USB 2.0 network and is also backward compatible with older, slower USB networks. USB bulk cable features two 20 AWG power conductors plus one 28 AWG twisted pair for the data lines. A flexible PVC jacket covers the braid, foil and drain wire shield. Choose from 100, 500 or 1000 foot spools. Jacket color is Light Gray.

CSUSB-100	USB Revision 2.0 Compliant Bulk Cable, 100ft (30.5m) Spool	Lt. Gray	49.00	46.06	43.12	40.18	CALL
CSUSB-500	USB Revision 2.0 Compliant Bulk Cable, 500ft (152.4m) Spool	Lt. Gray	225.00	211.50	198.00	184.50	CALL
CSUSB-1000	USB Revision 2.0 Compliant Bulk Cable, 1000ft (304.8m) Spool	Lt. Gray	395.00	371.30	347.60	323.90	CALL

USB Revision 2.0 Compliant Bulk Cable

USB bulk cable features two 24 or 28 AWG power conductors plus one 28 AWG twisted pair for the data lines. A flexible PVC jacket covers the braid, foil, and drain wire shield. Choose from 100, 500 or 1000 foot put-ups. Jacket color is black. Compatible with L-com CNUSB connector series.

CBL-USB2-2824-100	USB Revision 2.0 Compliant Bulk Cable, 100ft (30.5m) Spool	Black	36.00	33.84	31.68	29.52	CALL
CBL-USB2-2824-500	USB Revision 2.0 Compliant Bulk Cable, 500ft (152.4m) Spool	Black	165.00	155.10	145.20	135.30	CALL
CBL-USB2-2824-1000	USB Revision 2.0 Compliant Bulk Cable, 1000ft (304.8m) Spool	Black	295.00	277.30	259.60	241.90	CALL
CBL-USB2-2828-100	USB Revision 2.0 Compliant Bulk Cable, 100ft (30.5m) Spool	Black	25.00	23.50	22.00	20.50	CALL
CBL-USB2-2828-500	USB Revision 2.0 Compliant Bulk Cable, 500ft (152.4m) Spool	Black	108.00	101.52	95.04	88.56	CALL
CBL-USB2-2828-1000	USB Revision 2.0 Compliant Bulk Cable, 1000ft (304.8m) Spool	Black	195.00	183.30	171.60	159.90	CALL

LSZH USB Revision 2.0 Compliant Bulk Cable

Halogen free USB bulk cable features two 20 AWG power conductors plus one 28 AWG twisted pair for the data lines. A flexible LSZH jacket covers the braid, foil and drain wire shield. Low smoke zero halogen cable reduces the amount of toxic and corrosive gases emitted during combustion. Choose from 100, 500 or 1000 foot (30.5, 152.4 or 304.8m) put-ups. Jacket color is black.

CBL-USBZ-2820-100	LSZH USB Revision 2.0 Compliant Bulk Cable, 100ft (30.5m) Spool	Black	105.00	98.70	92.40	86.10	CALL
CBL-USBZ-2820-500	LSZH USB Revision 2.0 Compliant Bulk Cable, 500ft (152.4m) Spool	Black	495.00	465.30	435.60	405.90	CALL
CBL-USBZ-2820-1000	LSZH USB Revision 2.0 Compliant Bulk Cable, 1000ft (304.8m) Spool	Black	900.00	846.00	792.00	738.00	CALL

USB Connectors and Hoods, Type A and B

USB connectors and hoods are now available for custom lengths and applications. Connectors feature gold plated solder contacts, nickel-plated steel shells and a UL94V-0 rated housing.

CNUSB-A	USB Type A Connector		1.39	1.36	1.31	1.22	1.04
CNUSB-B	USB Type B Connector		1.39	1.36	1.31	1.22	1.04
HOODUSB-Z-A	LSZH USB Type A Hood	Black	0.89	0.87	0.84	0.78	0.67
HOODUSB-Z-B	LSZH USB Type B Hood	Black	0.89	0.87	0.84	0.78	0.67
HOODUSB-A	USB Type A Hood	Lt. Gray	0.64	0.63	0.60	0.56	0.48
HOODUSB-B	USB Type B Hood	Lt. Gray	0.64	0.63	0.60	0.56	0.48

USB Type A and B Female Field Termination Connector

The USB field termination female connectors provide an easy and convenient way to perform field termination for USB applications. USB 2.0 standard A and B connector styles are available. Separate connection points are provided for all 4 positions of the connector plus the ground. Terminal block design with set screws provides reliable electrical connections utilizing no special tools. The terminal block area is clearly marked making proper termination virtually foolproof. Panel mountable using 4-40 screws provided.

USBAFT	USB Field Termination Connector, Type A Female	6.25	5.88	5.50	5.13	4.75
USBBFT	USB Field Termination Connector, Type B Female	6.25	5.88	5.50	5.13	4.75

USB Type A, B, Mini B5 and Micro B Female Connector Covers - Protect Unused Ports, Pkg/10

These covers are perfect for protecting unused female ports in our panel mount couplers or any expensive equipment from physical damage, dirt and dust. Made from soft ABS, these covers attach easily and stay in place with a snug friction fit.

CAPUSB-A	USB Protective Cover for Type A Jacks, Pkg/10	Black	6.50	5.98	5.46	4.94	4.42
CAPUSB-B	USB Protective Cover for Type B Jacks, Pkg/10	Black	6.50	5.98	5.46	4.94	4.42
CAPUSB-MB5	USB Protective Cover for Type Mini B5 Jacks, Pkg/10	Black	6.50	5.98	5.46	4.94	4.42
CAPUSB-MICB	USB Protective Cover for Type Micro B Jacks, Pkg/10	Black	6.50	5.98	5.46	4.94	4.42

USB Cable Assembly Male Connector Dust Covers - Pkg/10

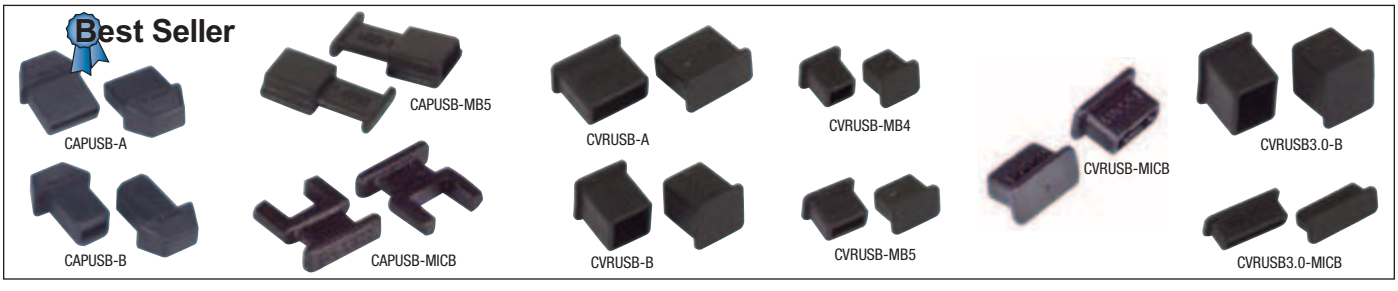
These hard to find covers are perfect for protecting unused USB cable assembly connectors from physical damage, dirt and dust. Made from PVC, they attach easily and stay in place with a snug friction fit.

CVRUSB-A	USB Protective Cover for USB 2.0 & 3.0 Type A Plugs, Pkg/10	Black	5.50	5.06	4.62	4.18	3.74
CVRUSB-B	USB Protective Cover for USB 2.0 Type B Plugs, Pkg/10	Black	5.50	5.06	4.62	4.18	3.74
CVRUSB-MB4	USB Protective Cover for USB 2.0 Type Mini B4 Plugs, Pkg/10	Black	5.50	5.06	4.62	4.18	3.74
CVRUSB-MB5	USB Protective Cover for USB 2.0 Type Mini B5 Plugs, Pkg/10	Black	5.50	5.06	4.62	4.18	3.74
CVRUSB-MICB	USB Protective Cover for USB 2.0 Type Micro B Plugs, Pkg/10	Black	5.50	5.06	4.62	4.18	3.74
CVRUSB3.0-B	USB Protective Cover for USB 3.0 Type B Plugs, Pkg/10	Black	5.50	5.06	4.62	4.18	3.74
CVRUSB3.0-MICB	USB Protective Cover for USB 3.0 Type Micro B Plugs, Pkg/10	Black	5.50	5.06	4.62	4.18	3.74

USB Protective Covers with Lanyard – for Type A and B Jacks - Pkg/10

These new covers add a lanyard feature to enhance our existing USB cover product line. They are perfect for protecting unused USB female ports in our panel mount couplers or any expensive equipment from physical damage, dirt and dust. The lanyard is perfectly sized to fit the 4-40 screws used in our ECF and UPM panel mount products. Made from soft polyethylene, these covers attach easily and stay in place with a snug friction fit. Color is black.

CAP-A-USB-LAN	USB Protective Cover with Lanyard for USB Type A Jacks, Pkg/10	Black	6.75	6.21	5.67	5.13	4.59
CAP-B-USB-LAN	USB Protective Cover with Lanyard for USB Type B Jacks, Pkg/10	Black	6.75	6.21	5.67	5.13	4.59



L-com Global Connectivity

Connect with L-com Global Connectivity

Item #	Description	List Price

B&B Electronics Isolated and Non-Isolated Inline USB to RS232/RS422/RS485 Converters

Universal Serial Bus (USB) has become the connectivity workhorse of today's PCs, replacing the familiar serial ports. But many commercial and industrial devices still use RS232 interfaces. To connect these devices to modern PCs you need robust and reliable conversion solutions. At the same time, USB ports are becoming more common on commercial and industrial equipment such as point-of-sale peripherals, medical devices, scientific instrumentation, laboratory equipment and other devices. Sometimes these are used in environments where surges, spikes and ground loops are likely to occur. Get the extended range and multi-drop capability of RS232 or RS422/485 from the USB port of your PC. Isolated models protect PCs and laptops from dangerous surges and spikes on the network. Windows automatically configures the serial output as an additional COM port, compatible with your Windows application. **As an authorized B&B Electronics reseller, we can bid on RFQs for any B&B Electronics part numbers. Contact us to request a non-obligatory quote!**

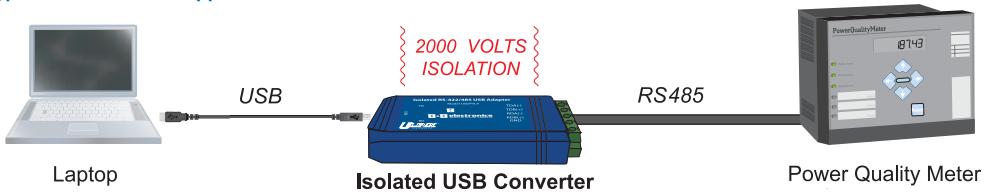
USOPTL4	USB to RS422/485 Term Block, 2kV Isolation	127.00
USO9ML2	USB to RS232 to DB9 Male, 2kV Isolation	127.00
USPTL4	USB to RS422/485 Term Block	97.00

B&B Electronics USB Isolators

At just 2.0 x 1.7 x 0.8 inches, these little isolators pack a powerful punch against electrical noise, surges and spikes - up to 4kV isolation. Protect expensive PCs and equipment from damaging electrical storms, power surges and other high EMI/RFI disturbances. This isolation barrier eliminates ground loops which are disruptive in measurement applications. The UH401 provides 4kV isolation and is UL 60601-1 recognized, making it appropriate for use with medical equipment. The UH401-2KV provides 2kV isolation. Both models are USB bus powered and provide up to 100mA of current to attached downstream devices when they are attached to a full power (500 mA) USB host port. **As an authorized B&B Electronics reseller, we can bid on RFQs for any B&B Electronics part numbers. Contact us to request a non-obligatory quote!**

UH401	USB to USB 1 Port Isolator, 4kV	117.00
UH401-2KV	USB to USB 1 Port Isolator, 2kV	97.00

Typical USB Isolation Application



USB 3.0 4 Port Hub

Perfect for sharing USB 3.0 resources such as USB scanners, card reader, and USB attached external storage, the USB-HUB-3.0 provides lightning fast USB connections at an affordable price. This plug and play USB 3.0 hub installs in seconds and is compatible with Windows SE/ME/2000/XP/VISTA/7. Ships with 5V DC power supply and 3.5 foot USB 3.0 cable.

USB-HUB-3.0	4 Port USB 3.0 Hub	39.95

4 Port Rugged Industrial USB 3.0 Hub (Mountable)

The ST4300USBM Mountable 4-Port Industrial USB Hub (USB 3.0) offers a simple way to expand a system's current USB capability by providing 4 additional external USB 3.0 ports from a single USB 3.0 host connection, with speeds up to 5 Gbps.

ST4300USBM	4 Port USB 3.0 Industrial Hub	109.98

6 Port USB 2.0/FireWire Combo PCI Adapter

This 6-Port USB 2.0/FireWire Combo PCI Adapter provides your USB-enabled Desktop PC with a myriad of connections for peripherals. Its three USB 2.0 ports and three IEEE-1394 FireWire ports are perfect for connecting digital cameras, external hard-drives, printers and other peripherals

TFU-H33PI	PCI Card 3-USB 2.0-3 Firewire	39.00

ATEN 2-Port USB 3.0 PCI-e Card

ATEN IC320U is a 2-port USB 3.0 PCI-e Card, which supports USB 3.0 SuperSpeed devices. It provides speeds of up to 10x faster than that of USB 2.0, enabling you to access and transfer your data much faster simply by adding two USB 3.0 ports to your PCI Express capable PC. It is backwards compatible with USB 2.0 and USB 1.1, ensuring compatibility with existing devices. **As an authorized ATEN reseller, we can bid on RFQs for any ATEN part numbers. Contact us to request a non-obligatory quote!**

IC320U	2-Port USB 3.0 PCI-e Card	44.98

ATEN 2-Port USB 3.0 Express Card

ATEN PU320 is a 2-port USB 3.0 Express Card, which supports USB 3.0 SuperSpeed devices. It provides speeds of up to 10x faster than that of USB 2.0, enabling you to access and transfer your data much faster simply by adding two USB 3.0 ports to your PCI Express capable notebook. It is backwards compatible with USB 2.0 and USB 1.1, ensuring compatibility with existing devices. **As an authorized ATEN reseller, we can bid on RFQs for any ATEN part numbers. Contact us to request a non-obligatory quote!**

PU320	2-Port USB 3.0 Express Card	54.98

USB 2.0 Manual Switch Box - (1) Type B and (2) Type A Ports

This handy switch box allows the user to share two USB devices with one computer. Equipped with one Type B I/O port and two type A ports. Lightweight design and all metal case provides easy set up and durability.

SWIT-USB2-BAA	USB Manual Switch Box	11.75

ATEN 2/4 Port USB 2.0 Peripheral Switch

The US221A/ US421A is a 2/4 Port USB 2.0 Peripheral Switch that allows up to 2/4 computers to share the use of a single USB peripheral device (such as a printer, scanner, mass storage drive, etc.) on a one-at-a-time basis. **As an authorized ATEN reseller, we can bid on RFQs for any ATEN part numbers. Contact us to request a non-obligatory quote!**

US221A	ATEN 2.0 2-Port A/B Switch	24.98
US421A	ATEN 2.0 4-Port A/B/C/D Switch	34.98



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Our newsletters are packed with tips, tutorials, product info and downloads! L-com.com/Newsletter

L-com Global Connectivity


UMC-201


UMC-102


UMC-104 (Front view)


UMC-104 (Back view)

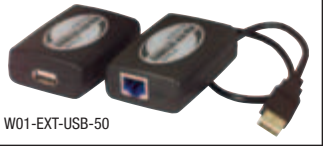

UC1284B


PTUSB-PS2


USB-488


TL-U233-006-PP-R


TL-U026-016


W01-EXT-USB-50

Item #	Description	List Price

USB to RS232 Converter Cable

This easy to install USB to serial converter allows you to connect a USB port on a PC or laptop to legacy RS232 devices such as PDAs, GPS systems etc. This USB to serial converter features DB9 male connectors for the RS232 connection and a USB type A Male connector for the PC or Laptop connection. Each USB to serial converter ships with a driver/installation CD.

UMC-201	USB to RS232 Converter Cable, 1 meter	29.95

USB to RS232 Converters 2 and 4 Port

These easy to install converters allow you to connect a USB port on a PC or laptop to legacy RS232 devices such as PDAs, GPS systems etc. These converters feature DB9 male connectors for the RS232 connection and a USB type A Male connector for the PC or laptop connection. Each converter ships with a driver/installation CD.

UMC-102	USB to RS232 Converter, 2 RS232 DB9 Male	44.95
UMC-104	USB to RS232 Converter, 4 RS232 DB9 Male	75.95

Tip *USB Conversion*

USB has quickly become the defacto PC/Peripheral data interface of the 21st century. Data transfer speeds have rapidly increased from the original USB 1.1 specification of 12 Mbps (Released in 1998) to the then astounding Hi-Speed USB 2.0 specification of 480 Mbps (Released in 2000) and now the revolutionary SuperSpeed USB 3.0 specification of 5 Gbps (Released in 2008) is finally becoming more common on most new Desktop/Laptop computers, external storage devices and peripherals.

However, there are a wide array of legacy devices that many still need to interact with due to infrastructure demands or upgrade costs. The versatility of the USB protocol allows for a variety of conversion products to accommodate these devices and allows them to communicate with today's computer equipment.

USB conversion products are available to replicate the standard RS232 serial port(s) found on older computer systems. Conversion products are also available to replicate IEEE-1284 parallel printer ports as well as older PS/2 Mini-Din Keyboard and Mouse interfaces that were also quite common on older computers, allowing for the continued use of older peripherals. There are even conversion products available for more exotic industrial interfaces like IEEE-488 (GPIB).

USB to IEEE 1284 Printer Port Converter Cable

UC1284B is a USB to parallel port converter. It converts the USB on PCs, notebook PCs and handheld computing devices into a parallel port for printer connection.

UC1284B	USB to IEEE 1284 Printer Port Converter Cable, 6.0ft (1.8m)	25.98

Planet USB to PS/2 Keyboard and Mouse Converter

Planet's USB to PS/2 converter allows users to connect existing PS/2 style keyboards and mice to USB enabled computers. The Planet adapter is bus powered and compatible with Windows 98/98SE/NT/ME/2000/XP, Netware, Unix/Linux, Mac OS 8.6 or greater and Sun Microsystems. Converter includes a one year manufacturer's warranty. **As an authorized Planet reseller, we can bid on RFQs for any Planet part numbers. Contact us to request a non-obligatory quote!**

PTUSB-PS2	Planet USB to PS/2 Keyboard and Mouse Converter	14.00

USB to GPIB Converter Cable

The USB-488 is a USB to GPIB controller module that converts any PC with a USB interface into a full-function, IEEE 488.2 Bus Controller. The unit performs all of the basic IEEE-488.1 functions such as talker, listener and system controller. Its IEEE-488.2 controller routines make it fully compliant with the IEEE 488.2 specification. The USB-488 module is a Plug and Play USB peripheral that supports Microsoft Windows 98SE/ME/2000/XP operating systems. The driver includes National Instruments' style 488.1 'ib' and 488.2 command Sets. Additionally the driver provides support for Visual Basic and C/C++ language programs and is compatible with National Instruments' VISA and LabView.

USB-488	USB to GPIB Converter Cable	495.00

Tripp Lite USB 2.0 Data Transfer Cable

Tripp Lite's 6 ft. U233-006-PP-R, High-Speed USB File Transfer Adapter, is the premier file and data sharing solution for PC users. The EasySuite utility software is already embedded on the High-Speed USB File Transfer Adapter and will automatically load onto your system. Transfer e-mail, music, photos, videos and document files from one computer to another, at speeds up to 480 Mbps. Compatible with Windows 2000, XP, Vista and Windows 7, the High-Speed USB File Transfer Adapter is ideal for those transferring important files to a new computer and also allows you to quickly transfer music or video files to a friend's computer. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote!**

TL-U233-006-PP-R	Tripp Lite USB 2.0 Data Transfer Cable	37.95

Tripp Lite USB 2.0 Active Extension Cable Type A Male/Female 5 Meter

The TL-U026-016 is a 16 ft. USB certified 2.0 active extension cable that is Bus Powered and can be used to increase the length of a USB device without the worry of signal loss and potential performance problems. USB limits a cable's length to 16 feet. Any length over 16 feet requires the use of an active cable such as this one. This cable has a signal booster built in. The overall cable length can be extended up to 80 feet by daisy chaining up to 5 of these active cables. The cable must be plugged directly into a USB port, either on the PC or a hub. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote!**

TL-U026-016	Tripp Lite USB 2.0 Active Extension Cable, Type A Male/Female, 5.0m	21.49

USB Extender - Extends USB Signals to 50 Meters

Extend USB signals up to 50 meters using standard Cat5/5e/6 cable. This competitively priced USB extender features a built in buffer and actively regenerates USB signals to preserve data integrity. These extenders are great for use with security and surveillance video, PC digital audio systems and other devices with USB interface that are located in far away locations.

W01-EXT-USB-50	USB Extender	42.00

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Item #	Description	List Price

Icron USB Ranger® 2201/2204 Category 5e USB 2.0 Extenders

Icron's USB Ranger® 2201 and 2204 provide USB 2.0 high speed extension, enabling USB 2.0 connections at up to 480Mbps over 100m/328ft of Cat5e (or better) cabling. The Ranger® 2201 and 2204 address the adverse operating environments ideal for ExtremeUSB® applications. Ranger® 2201 and 2204 are also certified for demanding industrial environments: FCC/CE Class B certified, meets EN-61000 8kV ESD immunity and is housed in a robust metal enclosure. These USB extenders require AC power (included) at the remote REX end. Additionally an optional LEX power supply (sold separately) is available for USB ports that cannot provide the required 500mA current. Supported platforms include: Windows, MAC OS and Linux. **UK, European and Australian power versions available. Optional mounting kits also available. Contact your L-com sales representative for details.**

ICR2201	Icron USB 2.0 Ranger 2201 1-Port Cat5e (or better) Extender System (100m Max)	322.98
ICR2204	Icron USB 2.0 Ranger 2204 4-Port Cat5e (or better) Extender System (100m Max)	329.98

Icron USB Ranger® 2101/2104 Category 5e USB 2.0 Extenders (with Host Pigtail on LEX Unit)

Icron's USB 2.0 Ranger® 2101 and 2104 extenders represent an alternative to the 2201 and 2204 also enabling USB 2.0 connections at up to 480 Mbps over 100m/330ft of Cat5e (or better) cabling. The 2101 and 2104 offer a smaller form factor design. The LEX units come equipped with a standard USB Type A Male pigtail to connect directly to the host computer. (See image to the right). The 2101 supports a single device port; the 2104 supports four device ports via an integrated hub on the REX unit. These USB extenders require AC power (included) at the remote REX end. Supported platforms include: Windows, MAC OS and Linux. **UK, European and Australian power versions available. Contact your L-com sales representative for details.**

ICR2101	Icron USB 2.0 Ranger 2101 1-Port Cat5e (or better) Extender System (100m Max)	314.98
ICR2104	Icron USB 2.0 Ranger 2104 4-Port Cat5e (or better) Extender System (100m Max)	344.98

Icron USB Ranger® 2211/2212 Category 5e USB 2.0 Extenders (with Remote Power)

Icron's USB Ranger® 2211 and 2212 represent yet another alternative that also enables USB 2.0 connections at up to 480 Mbps over 100m/330ft of **Solid Conductor** Cat5e (or better) cabling. The 2211 and 2212 are designed for those who require full 500mA power at the REX unit but do not have an electrical outlet available at that location. The 2211 supports a single device port and unlike the 2212 is also designed with flexible powering allowing power to be applied to the LEX or the REX unit. The 2212 supports two device ports and provides power from the LEX unit only to the REX unit. The systems deliver power to the REX unit over the Cat5e (or better) extension link simplifying certain installation situations in industrial, medical and commercial applications. The Ranger® 2212 is FCC/CE Class B certified and meets EN-61000 8kV ESD immunity. Supported platforms include: Windows, MAC OS and Linux. **UK, European and Australian power versions available. Optional mounting kit for 2212 available. Contact your L-com sales representative for details.**

ICR2211	Icron USB 2.0 Ranger 2211 1-Port Solid Cat5e (or better) Extender System with Flexible Power (100m Max)	314.98
ICR2212	Icron USB 2.0 Ranger 2212 2-Port Solid Cat5e (or better) Extender System with Flexible Power (100m Max)	364.98

Icron USB Ranger® 2224/2244 USB 2.0 Fiber Optic Extenders

Icron's USB Ranger® 2224 and 2244 offer unique long distance solutions for extending USB 2.0 connections at up to 480 Mbps up to 500m over Multimode Fiber or 10km over Single mode Fiber. Both the 2224 and the 2244 provide 4 USB 2.0 ports at the REX unit. A standard Duplex LC interface is used for both the Multimode and Single mode units. These robust USB fiber extenders are also certified for demanding industrial environments and are FCC/CE Class B certified, meet EN-61000 16kV ESD immunity and utilize rugged metal enclosures. Supported platforms include: Windows, MAC OS and Linux. **UK, European and Australian power versions available. Optional mounting kits also available. Contact your L-com sales representative for details.**

ICR2224	Icron USB 2.0 Ranger 2224 4-Port Multimode Duplex LC Extender System (500m Max)	899.00
ICR2244	Icron USB 2.0 Ranger 2244 4-Port Single mode Duplex LC Extender System (10km Max)	999.00

Icron USB Rover® 1850/2850 Category 5e USB 1.1 Extenders (Port Powered)

Icron's USB Rover® 1850 and 2850 products provide extension of USB 1.1 connections at up to 12 Mbps over Cat5e (or better) cabling. The 1850 supports a single device port, while the 2850 provides support for two device ports. Both units are bus-powered and do not require an external power supply. They transmit power and data over the same Cat5e (or better) cable. These extenders are ideal for use with USB 1.1 keyboards and mice. All units provide support for any full-speed (12 Mbps) or low-speed (1.5 Mbps) USB device. Set includes both the local and remote units. Supported platforms include: Windows, MAC OS and Linux.

ICR1850	Icron USB 1.1 Rover 1850 1-Port Solid Cat5e (or better) Port Powered Extender System (40m Max)	68.98
ICR2850	Icron USB 1.1 Rover 2850 2-Port Solid Cat5e (or better) Port Powered Extender System (40m Max)	77.98

Icron USB Rover® 200 Series USB 1.1 Fiber Optic Extension Cables

Icron's USB Rover® 200 series are active fiber optic USB 1.1 extension cables that supports any full-speed (12 Mbps) or low-speed (1.5 Mbps) USB device. Additionally, the Rover® 200 series provides electrical immunity and isolation between the host and peripheral device. The Rover® 200 series are available in lengths up to 40 meters. System includes local and remote units, integrated cable, North American power adapter and a user guide. Supported platforms include: Windows, MAC OS and Linux. **UK and European power versions available. Contact your L-com sales representative for details.**

ICR-USB200NA-10	Icron USB 1.1 Rover 200 Series Fiber Optic Extension Cable 10m	199.98
ICR-USB200NA-20	Icron USB 1.1 Rover 200 Series Fiber Optic Extension Cable 20m	249.98
ICR-USB200NA-30	Icron USB 1.1 Rover 200 Series Fiber Optic Extension Cable 30m	304.98
ICR-USB200NA-40	Icron USB 1.1 Rover 200 Series Fiber Optic Extension Cable 40m	364.98

Icron ExtremeLink™ DVI/HDMI USB 2.0 KVM Extenders

Icron's ExtremeLink™ technology provides the capabilities of extending Video, Audio and USB 2.0 connectivity over a single Cat5e (or better) cable over a LAN (Local Area Network) using Rapid Pairing Protocol™ for easy, plug and play installation. The EL3500 and EL4500 both extend DVI video along with two channel audio with microphone and headphone I/O as well as extending the USB 2.0 interface. The EL5100 extends DVI and USB 2.0 and provides support for USB audio devices. The EL5200 extends HDMI (Digital Video and Audio) along with full USB 2.0. Supported platforms include: Windows, MAC OS and Linux. **UK, European and Australian power versions available. Optional mounting kits also available. Contact your L-com sales representative for details.**

ICR-EL3500-NA	Icron ExtremeLink EL3500 DVI/USB 2.0/Dual Channel Audio Cat5e (or better) KVM Extender (500m Max)	849.98
ICR-EL4500-NA	Icron ExtremeLink EL4500 DVI/USB 2.0/Dual Channel Audio Cat5e (or better) KVM Extender (100m Max)	774.98
ICR-EL5100-NA	Icron ExtremeLink EL5100 DVI/USB 2.0/USB Audio Support Cat5e (or better) KVM Extender (100m Max)	929.98
ICR-EL5200-NA	Icron ExtremeLink EL5200 HDMI/USB 2.0/USB Audio Support Cat5e (or better) KVM Extender (100m Max)	929.98



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Firewire, DIN, SCSI, SATA Tutorial



What is Firewire?

Firewire is a high speed communication interconnect standard defined by IEEE-1394. It was originally developed to connect PCs to other PCs or to peripherals such as digital cameras, camcorders, scanners, etc. An attractive advantage is the devices are hot pluggable (live connection/disconnection without data loss or interruption).

What is SCSI?

Small Computer System Interface or SCSI is a standard and interface for transferring data between PCs and peripherals such as disk drives. Some SCSI interfaces are also found on peripherals such as scanners and CD drives.

What is SATA?

SATA or Serial ATA is a storage interface used to connect laptop and desktop computers or external mass storage devices such as a hard disk drives or optical drives. SATA can support data transfer rates as high as 3.0 Gbps per device (depending on hardware used).

What is eSATA?

eSATA or external SATA, was developed in 2004 to provide external high speed connectivity to external storage devices. eSATA technology supports hot plugging and a maximum cable length of 2 meters.

What are DIN and Mini DIN?

DIN stands for Deutsches Institut für Normung which is the German standards organization that developed this interface. DIN connectors are available in many configurations from 3 to 9 positions. Also there are several different versions of the 5 pin connector where the angle of the arc swept between the first and last pin can be 180°, 240° or 270°. The most common uses for DIN connectors are analog audio, AT keyboard and mouse connections and MIDI applications.

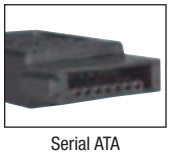
Mini DIN connectors were also developed by Deutsches Institut für Normung. These connectors are similar to the DIN series but feature a smaller diameter connector and are available in different styles (pin counts and pin orientation). Some popular applications for Mini DIN connectors include S-Video and PS/2 Keyboard and mouse interconnects.

Common Connector Types

- SATA, eSATA,



Serial ATA Latching

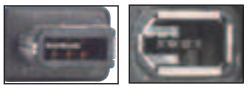


Serial ATA

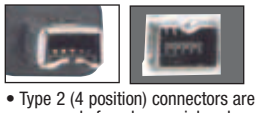


External Serial ATA

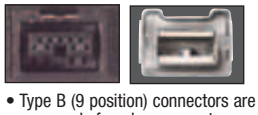
- Firewire



- Type 1 (6 position) connectors are typically located on computers and hubs.



- Type 2 (4 position) connectors are commonly found on peripheral devices.



- Type B (9 position) connectors are commonly found on computers and hubs.

- DIN and Mini DIN



- 6 Pin Mini DIN PS/2 Keyboards and Mice

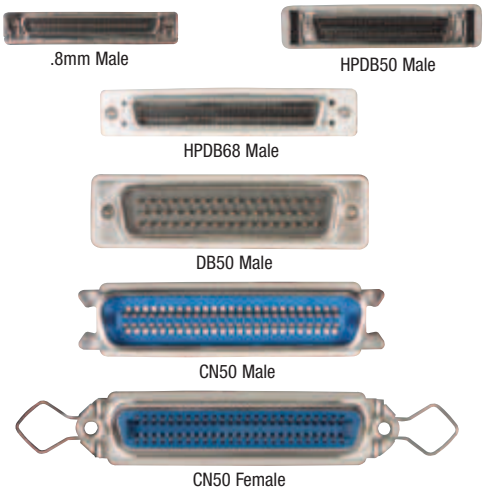


- 5 Pin DIN AT Keyboards

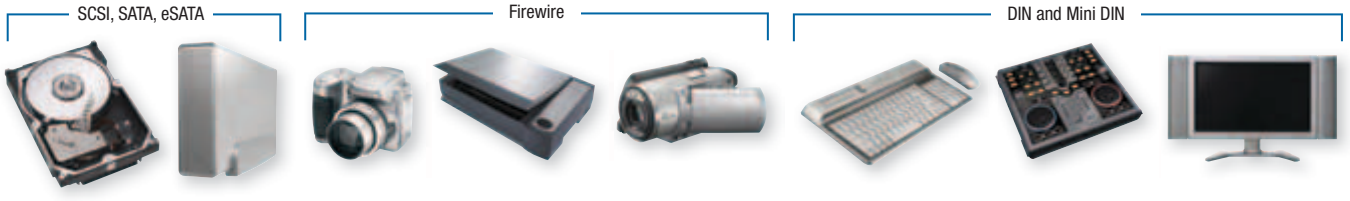


- 8 Pin Mini DIN Macintosh Peripherals

- SCSI



Common Applications



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Item #	Description	1-9	10-24	25-99	100-249	250-499

Serial ATA (SATA) Cable Assemblies with Latching Connectors- Straight and Right Angle Connectors

L-com's latching Serial ATA cable assemblies provide a secure connection every time. These SATA assemblies feature two shielded 26 AWG pairs in a PVC jacket, gold plated contacts and two straight polarized seven position connectors. Both straight to straight and straight to right angle versions are offered. Custom lengths are available with modest minimum requirements. Call us today with your custom SATA requirements.

CASATAL-8	Latching Serial ATA Cable, Straight / Straight, 8.0in (20.3cm)	3.75	3.45	3.15	2.85	2.55
CASATAL-12	Latching Serial ATA Cable, Straight / Straight, 12.0in (30.4cm)	3.95	3.63	3.32	3.00	2.69
CASATAL-16	Latching Serial ATA Cable, Straight / Straight, 16.0in (40.6cm)	4.15	3.82	3.49	3.15	2.82
CASATAL-18	Latching Serial ATA Cable, Straight / Straight, 18.0in (45.7cm)	4.25	3.91	3.57	3.23	2.89
CASATAL-24	Latching Serial ATA Cable, Straight / Straight, 24.0in (61.0cm)	4.60	4.23	3.86	3.50	3.13
CASATAL-36	Latching Serial ATA Cable, Straight / Straight, 36.0in (91.4cm)	5.25	4.83	4.41	3.99	3.57
CASATARL-8	Latching Serial ATA Cable, Straight / Right Angle, 8.0in (20.3cm)	4.25	3.91	3.57	3.23	2.89
CASATARL-12	Latching Serial ATA Cable, Straight / Right Angle, 12.0in (30.4cm)	4.45	4.09	3.74	3.38	3.03
CASATARL-16	Latching Serial ATA Cable, Straight / Right Angle, 16.0in (40.6cm)	4.65	4.28	3.91	3.53	3.16
CASATARL-18	Latching Serial ATA Cable, Straight / Right Angle, 18.0in (45.7cm)	4.75	4.37	3.99	3.61	3.23
CASATARL-24	Latching Serial ATA Cable, Straight / Right Angle, 24.0in (61.0cm)	5.10	4.69	4.28	3.88	3.47
CASATARL-36	Latching Serial ATA Cable, Straight / Right Angle, 36.0in (91.4cm)	5.75	5.29	4.83	4.37	3.91

Serial ATA Cable Assemblies - Straight to Straight and Straight to Right Angle Connectors

These cables feature two shielded 26 AWG pairs in a PVC jacket, gold plated contacts and polarized seven position connectors. Available in straight to straight and straight to right angle connector orientations in lengths of 0.5 and 1 meter.

CASATA-05M	Serial ATA Cable, Straight / Straight, 0.5m	4.25	3.83	3.40	2.97	2.55
CASATA-1M	Serial ATA Cable, Straight / Straight, 1.0m	5.25	4.73	4.20	3.67	3.15
CASATAR-05M	Serial ATA Cable, Straight / Right Angle, 0.5m	4.75	4.28	3.80	3.32	2.85
CASATAR-1M	Serial ATA Cable, Straight / Right Angle, 1.0m	5.75	5.17	4.60	4.02	3.45

Serial ATA Extension Cable Assemblies (SATA) - Male to Female Connectors

These handy cables can be used to extend SATA cables as well as create space in tightly packed areas where bulky disk-on-modules (DOMs) are difficult to connect. These cables feature a bright red PVC jacket, gold contacts and are fully shielded.

CASATAEXT-12	Serial ATA Extension Cable, 12" (30.4cm)	4.25	3.91	3.57	3.23	2.89
CASATAEXT-20	Serial ATA Extension Cable, 20" (50.8cm)	4.75	4.37	3.99	3.61	3.23

External Serial ATA Cable Assemblies - Fully Shielded, Protect Against EMI/RFI

L-com's CAESA series of external Serial ATA cables provide fast data transfer speeds for external storage devices. SATA is now available "outside the box". These fully shielded cables provide extra protection from EMI/RFI and support speeds up to three Gigabits per second.

CAESA-05M	External Serial ATA Cable Assembly, 0.5m	6.95	6.53	6.12	5.70	5.28
CAESA-1M	External Serial ATA Cable Assembly, 1.0m	7.95	7.47	7.00	6.52	6.04
CAESA-2M	External Serial ATA Cable Assembly, 2.0m	9.95	9.35	8.76	8.16	7.56

External Serial ATA to Latching SATA II Cable Assemblies, Fully Shielded

L-com's CAESA2 series of External SATA to SATA II latching cable assemblies connect eSATA external drives/enclosures to SATA II enabled systems.

CAESA2-05M	eSATA to SATA II Latching Cable Assembly, 0.5m	6.95	6.53	6.12	5.70	5.28
CAESA2-1M	eSATA to SATA II Latching Cable Assembly, 1.0m	7.95	7.47	7.00	6.52	6.04
CAESA2-2M	eSATA to SATA II Latching Cable Assembly, 2.0m	9.95	9.35	8.76	8.16	7.56

SATA and eSATA Connector Covers for Male and Female Connectors, Pkg/10

These hard to find covers are perfect for protecting unused connector ports in any equipment as well as cable assembly connectors. These covers attach easily and stay in place with a snug friction fit. Color is black.

CVRSATA	Protective Cover for SATA Cable Assembly Connector, Pkg/10	5.50	5.06	4.62	4.18	3.74
CVR-ESATA	Protective Cover for eSATA Cable Assembly Connector, Pkg/10	5.50	5.06	4.62	4.18	3.74
CAPSATA	Protective Cover for SATA Computer/Connector Ports, Pkg/10	6.50	5.98	5.46	4.94	4.42
CAP-ESATA	Protective Cover for eSATA Computer/Connector Ports, Pkg/10	6.50	5.98	5.46	4.94	4.42

Slim SATA Cables

Slim SATA cables are now available for slimline SATA drives. A compact power and data connector plugs directly into the slimline data drive and splits into a standard latching SATA cable plus a 4 position power connector.

CASSA-8	Slim SATA Cable, 8" (20.3cm)	7.50	6.90	6.30	5.70	5.10
CASSA-18	Slim SATA Cable, 18" (45.7cm)	8.00	7.36	6.72	6.08	5.44

Item #	Description	# Prs	Code	1-9	10-24	25-99

Ultra SCSI (SCSI-5) Cables with .8mm Pitch High-Density Connectors, Offset Backshells

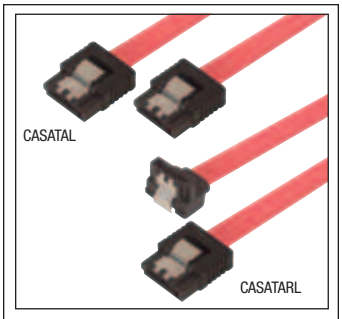
Many SCSI devices utilize the VHDCI (Very High Density Cable Interconnect) standard. The high performance standard and the mechanical precision of this connector system make workmanship absolutely critical.

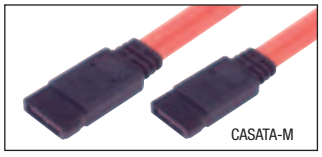
CA2000MM-05M	Ultra SCSI Cable, .8mm Male / Male, 0.5m	34	A-A	67.95	66.59	63.87
CA2000MM-1M	Ultra SCSI Cable, .8mm Male / Male, 1.0m	34	A-A	71.95	70.51	67.63
CA2000MM-2M	Ultra SCSI Cable, .8mm Male / Male, 2.0m	34	A-A	79.95	78.35	75.15
CA2000MM-3M	Ultra SCSI Cable, .8mm Male / Male, 3.0m	34	A-A	87.95	86.19	82.67
CA2060MM-05M	Ultra SCSI Cable, .8mm Male / HPDB68 Male, 0.5m	34	A-C	59.95	58.75	56.35
CA2060MM-1M	Ultra SCSI Cable, .8mm Male / HPDB68 Male, 1.0m	34	A-C	63.95	62.67	60.11
CA2060MM-2M	Ultra SCSI Cable, .8mm Male / HPDB68 Male, 2.0m	34	A-C	71.95	70.51	67.63
CA2060MM-3M	Ultra SCSI Cable, .8mm Male / HPDB68 Male, 3.0m	34	A-C	79.95	78.35	75.15

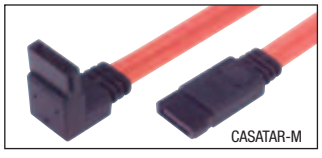
Standard Grade SCSI-3 Cables - Fully Molded and Shielded

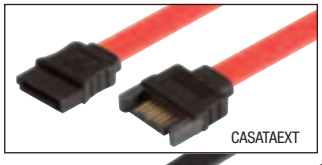
All SCSI-3 cables are fully populated with 34 twisted pairs. The high density DB68 connectors utilize 2-56 threaded screws for mounting.

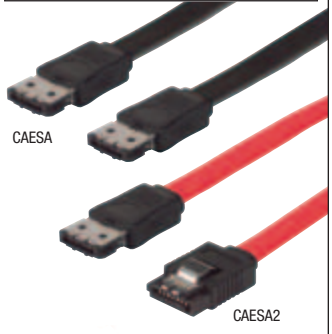
CA900MM-05M	SCSI-3 Cable, HPDB68 Male / Male, 0.5m	34	C-C	34.45	31.69	28.94
CA900MM-1M	SCSI-3 Cable, HPDB68 Male / Male, 1.0m	34	C-C	38.95	35.83	32.72
CA900MM-2M	SCSI-3 Cable, HPDB68 Male / Male, 2.0m	34	C-C	47.95	44.11	40.28

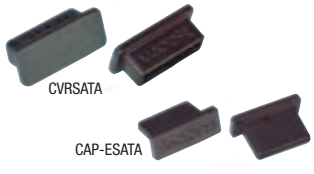


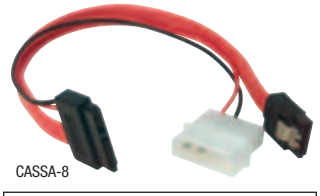


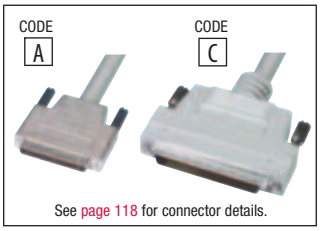












See page 118 for connector details.

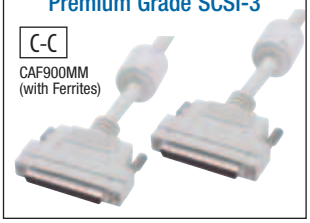
Free technical support
Call toll free at 1-800-343-1455
if you have questions about your application.

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Premium Grade SCSI-3

C-C

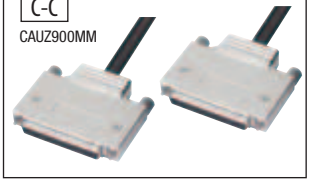
CAF900MM
(with Ferrites)



LSZH SCSI-3

C-C

CAUZ900MM



SCSI-2

B-B

CA801

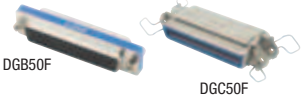


Differential SCSI-1

D-D

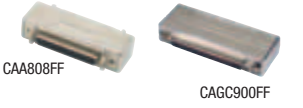
CA751MM





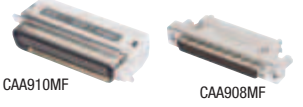
DGB50F

DGC50F



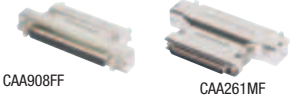
CAA808FF

CAGC900FF



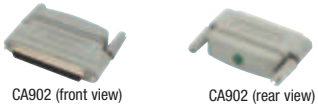
CAA910MF

CAA908MF



CAA908FF

CAA261MF



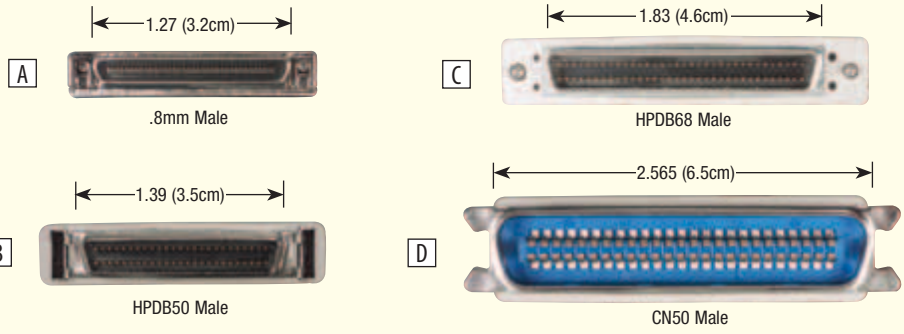
CA902 (front view)

CA902 (rear view)



TS-SCSI3

Codes for SCSI Connector Ends



Item #	Description	# Prs	Code	1-9	10-24	25-99

Premium Grade SCSI-3 Cables with Ferrite Cores - Reduce Noise Problems

Frequent OEM requests have prompted us to add a premium SCSI-3 cable utilizing ferrite cores to the line. Molded ferrites reduce radiated emissions and undesirable currents within the shield. These cables can be helpful in passing today's tough emissions standards.

CAF900MM-05M	SCSI-3 Cable, HPDB68 Male / Male with Ferrites, 0.5m	34	C-C	46.45	42.73	39.02
CAF900MM-1M	SCSI-3 Cable, HPDB68 Male / Male with Ferrites, 1.0m	34	C-C	50.95	46.87	42.80
CAF900MM-2M	SCSI-3 Cable, HPDB68 Male / Male with Ferrites, 2.0m	34	C-C	59.95	55.15	50.36
CAF900MM-3M	SCSI-3 Cable, HPDB68 Male / Male with Ferrites, 3.0m	34	C-C	68.95	63.43	57.92

Low Smoke Zero Halogen SCSI-3 Cable Assemblies

These cables meet the requirements of SCSI-3 systems. The high density DB68 SCSI connectors use 2-56 threaded thumbscrews for mounting. Cable assembly construction features 30 microinch gold plated copper alloy contacts, die cast zinc alloy hoods, 28 AWG polypropylene insulated conductors, foil/braid shield and a LSZH outer jacket. Color is Black. L-com will manufacture custom cable assemblies with modest minimum requirements.

CAUZ900MM-1M	LSZH SCSI-3 Cable, HPDB68 Male / Male, 1.0m	34	C-C	84.95	78.15	71.36
CAUZ900MM-2M	LSZH SCSI-3 Cable, HPDB68 Male / Male, 2.0m	34	C-C	99.95	91.95	83.96
CAUZ900MM-3M	LSZH SCSI-3 Cable, HPDB68 Male / Male, 3.0m	34	C-C	114.95	105.75	96.56

SCSI-2 Computer Cables - Molded, Shielded and Compatible with Differential SCSI-2

These differential SCSI-2 cables utilize 25 twisted pair cable and half pitch DB50 connectors. Half pitch connector housings connect via spring locking latches. All cables are fully molded and have foil and copper braid shielding. Lengths are measured in meters.

CA801-05M	SCSI-2 Molded Cable HPDB50 Male / Male, 0.5m	B-B	19.95	18.35	16.76
CA801-1M	SCSI-2 Molded Cable HPDB50 Male / Male, 1.0m	B-B	23.95	22.03	20.12
CA801-2M	SCSI-2 Molded Cable HPDB50 Male / Male, 2.0m	B-B	31.95	29.39	26.84
CA801-3M	SCSI-2 Molded Cable HPDB50 Male / Male, 3.0m	B-B	39.95	36.75	33.56

Differential SCSI-1 Cables - Fully Populated, 25 Twisted Pairs, Molded and Shielded

These differential SCSI-1 cables are built to the 25 pair standard used with most SCSI-1 equipment. The differential interface on the equipment allows longer distances to be achieved by sending information simultaneously along two pairs of wires. CN50 cables are fully molded and utilize 26 AWG twisted pairs with foil shielding throughout. Cable length is measured in meters.

CA751MM-05M	SCSI-1 Molded Cable, CN50 Male / Male, 0.5m	D-D	28.95	28.37	27.21
CA751MM-1M	SCSI-1 Molded Cable, CN50 Male / Male, 1.0m	D-D	35.95	35.23	33.79
CA751MM-2M	SCSI-1 Molded Cable, CN50 Male / Male, 2.0m	D-D	49.95	48.95	46.95
CA751MM-3M	SCSI-1 Molded Cable, CN50 Male / Male, 3.0m	D-D	63.95	62.67	60.11
CA751MM-5M	SCSI-1 Molded Cable, CN50 Male / Male, 5.0m	D-D	91.95	90.11	86.43
CA751MM-10M	SCSI-1 Molded Cable, CN50 Male / Male, 10.0m	D-D	161.95	158.71	152.23

SCSI Gender Changers and Adapters

Several models are now offered to satisfy most common applications. Gender changers allow mating of similar cables. Adapters allow the user to match various SCSI cable systems.

DGB50F	Gender Changer, DB50 Female / Female	10.95	9.86	8.76
DGB50M	Gender Changer, DB50 Male / Male	10.95	9.86	8.76
DGC50F	50 Pin Gender Changer, CN50 Female / Female	10.95	9.86	8.76
DGC50M	50 Pin Gender Changer, CN50 Male / Male	10.95	9.86	8.76
CAA808FF	Gender Changer, SCSI-2 HPDB50 Female / Female	17.95	16.87	15.80
CAGC900FF	Gender Changer, SCSI-3 HPDB68 Female / Female	24.95	23.45	21.96
CAA910MF	SCSI Adapter, CN50 Male / HPDB50 Female	28.95	27.21	25.48
CAA908MF	SCSI Adapter, HPDB68 Male / HPDB50 Female	29.95	28.15	26.36
CAA908FF	SCSI Adapter, HPDB68 Female / HPDB50 Female	29.95	28.15	26.36
CAA261MF	SCSI Adapter, .8mm CN68 Male / HPDB68 Female	39.95	37.55	35.16

SCSI Terminators - Compensate for Inherent Impedance Mismatches on SCSI Bus

Terminators plug into the first and last device on the SCSI bus to match the impedance of the cable to minimize reflected signals. Active terminators add a voltage regulator to the circuit which allows a consistent signal to be transmitted everywhere on the bus.

CA902	SCSI-3 Terminator, HPDB68 Male, Active, 2-56 Thumbscrews			22.50	21.15	19.80

Item #	Description	1-9	10-24	25-99	100-249	250-499

2-56 SCSI-3 Replacement Thumbscrews, Pkg/10

These thumbscrews are designed for all L-com's molded SCSI-3/HPDB68 cable assemblies - CAF900MM, CA900MM and CA2060MM. Material is steel with nickel finish.

TS-SCSI3	2-56 SCSI-3 Replacement Thumbscrews, Pkg/10	4.10	3.85	3.61	3.36	3.12

L-com Global Connectivity

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L-com.com/Testimonials

Item #	Description	1-9	10-24	25-99	100-249	250-499

IEEE-1394 Firewire Cable Assemblies - Transmission Rates to 400 Mbps

Highest quality Firewire cables allow for transfer rates up to 400 Mbps and meet the IEEE-1394 specification. These cables allow for simple Plug and Play connections for devices such as printers, scanners, digital cameras and other firewire peripherals. They can also be used to link two computers together for file sharing. Twisted pair data lines help reduce crosstalk while 22 AWG power conductors enable maximum power transfer from host to peripheral.

IEEE-1394 Firewire Cable, Type 1 to Type 1, PVC Jacket, 30 Microinches Gold

CSM94-05M	IEEE-1394 Firewire Cable, Type 1 / Type 1, 0.5m	10.95	9.86	8.76	7.66	6.57
CSM94-1M	IEEE-1394 Firewire Cable, Type 1 / Type 1, 1.0m	12.45	11.21	9.96	8.71	7.47
CSM94-2M	IEEE-1394 Firewire Cable, Type 1 / Type 1, 2.0m	15.45	13.90	12.36	10.81	9.27
CSM94-3M	IEEE-1394 Firewire Cable, Type 1 / Type 1, 3.0m	18.45	16.61	14.76	12.91	11.07
CSM94-5M	IEEE-1394 Firewire Cable, Type 1 / Type 1, 5.0m	24.45	22.00	19.56	17.11	14.67

IEEE-1394 Firewire Cable, Type 1 to Type 2, PVC Jacket, 30 Microinches Gold

CSM94-05M2	IEEE-1394 Firewire Cable, Type 1 / Type 2, 0.5m	10.95	9.86	8.76	7.66	6.57
CSM94-1M2	IEEE-1394 Firewire Cable, Type 1 / Type 2, 1.0m	12.45	11.21	9.96	8.71	7.47
CSM94-2M2	IEEE-1394 Firewire Cable, Type 1 / Type 2, 2.0m	15.45	13.90	12.36	10.81	9.27
CSM94-3M2	IEEE-1394 Firewire Cable, Type 1 / Type 2, 3.0m	18.45	16.61	14.76	12.91	11.07
CSM94-5M2	IEEE-1394 Firewire Cable, Type 1 / Type 2, 5.0m	24.45	22.00	19.56	17.11	14.67

IEEE-1394 Firewire Extension Cable, Type 1 Connectors, PVC Jacket, 30 Microinches Gold

CSM94X-1M	IEEE-1394 Firewire Extension Cable, Type 1 / Type 1, 1.0m	13.95	12.55	11.16	9.76	8.37
CSM94X-2M	IEEE-1394 Firewire Extension Cable, Type 1 / Type 1, 2.0m	16.95	15.25	13.56	11.86	10.17
CSM94X-3M	IEEE-1394 Firewire Extension Cable, Type 1 / Type 1, 3.0m	19.95	17.95	15.96	13.96	11.97

IEEE-1394b Firewire Cable Assemblies - Transmission Rates to 800 Mbps

This version of Firewire cable assemblies utilizes a 9 position connector that is compliant with the IEEE-1394b standard. These cables can double the transmission rates of the traditional IEEE-1394a cable assemblies. Cable construction features two individually shielded 26 AWG data pairs plus two 22 AWG power conductors with an overall foil/braid shield and molded backshells. Color is Black.

IEEE-1394b Firewire Cable, Type B to Type 1, PVC Jacket, 30 Microinches Gold

CSM94B1-1M	IEEE-1394b Firewire Cable, Type B / Type 1, 1.0m	18.95	17.05	15.16	13.26	11.37
CSM94B1-2M	IEEE-1394b Firewire Cable, Type B / Type 1, 2.0m	22.95	20.66	18.36	16.06	13.77
CSM94B1-3M	IEEE-1394b Firewire Cable, Type B / Type 1, 3.0m	26.95	24.25	21.56	18.86	16.17
CSM94B1-5M	IEEE-1394b Firewire Cable, Type B / Type 1, 5.0m	34.95	31.46	27.96	24.46	20.97

IEEE-1394b Firewire Cable, Type B to Type B, PVC Jacket, 30 Microinches Gold

CSM94BB-1M	IEEE-1394b Firewire Cable, Type B / Type B, 1.0m	18.95	17.05	15.16	13.26	11.37
CSM94BB-2M	IEEE-1394b Firewire Cable, Type B / Type B, 2.0m	22.95	20.66	18.36	16.06	13.77
CSM94BB-3M	IEEE-1394b Firewire Cable, Type B / Type B, 3.0m	26.95	24.25	21.56	18.86	16.17
CSM94BB-5M	IEEE-1394b Firewire Cable, Type B / Type B, 5.0m	34.95	31.46	27.96	24.46	20.97

Waterproof IEEE-1394 Firewire Cable Assemblies - IP67 Rated, Male to Female

L-com now offers IP67 solutions for your harsh environment IEEE-1394 Firewire applications. These robust assemblies feature a specialized IP67 rated 6 position female connector on one end and a standard 6 pin male connector on the other end. These assemblies are perfect for applications where dust and moisture are prevalent and can be used to connect to enclosures, panels, or directly to peripherals or PCs.

WP946PMF-05M	IEEE-1394 Waterproof Firewire Cable, Male / Female, 0.5m	18.50	18.13	17.39	16.28	13.88
WP946PMF-2M	IEEE-1394 Waterproof Firewire Cable, Male / Female, 2.0m	20.00	19.60	18.80	17.60	15.00
WP946PMF-5M	IEEE-1394 Waterproof Firewire Cable, Male / Female, 5.0m	23.00	22.54	21.62	20.24	17.25

IEEE-1394 Firewire Latching Cable Assemblies, Type 1 to Type 1

These assemblies utilize L-com's CN1394L-1 latching Type 1/6 position connector on both ends of the cable. The latching connector provides mechanical retention to mating connectors providing a secure connection every time. It is easy to un-mate by depressing the release mechanism and supports Firewire 400 Mbps speeds. L-com can manufacture custom cable assemblies with low minimum quantity requirements and short lead times.

CSM94L-05M	IEEE-1394 Firewire Latching Cable, Type 1 Male / Type 1 Male, 0.5m	18.45	18.08	17.71	17.34	16.97
CSM94L-1M	IEEE-1394 Firewire Latching Cable, Type 1 Male / Type 1 Male, 1.0m	19.95	19.55	19.15	18.75	18.35
CSM94L-2M	IEEE-1394 Firewire Latching Cable, Type 1 Male / Type 1 Male, 2.0m	22.95	22.49	22.03	21.57	21.11
CSM94L-3M	IEEE-1394 Firewire Latching Cable, Type 1 Male / Type 1 Male, 3.0m	25.95	25.43	24.91	24.39	23.87
CSM94L-5M	IEEE-1394 Firewire Latching Cable, Type 1 Male / Type 1 Male, 5.0m	31.95	31.31	30.67	30.03	29.39

IEEE-1394 Firewire Latching Male Connector, Type 1 (6 Position)

L-com's CN1394L-1 IEEE-1394 Firewire connector is a unique latching male connector that provides mechanical retention to mating connectors providing a secure connection. This latching connector is easy to un-mate by depressing the release mechanism and supports Firewire 400 Mbps speeds. L-com can manufacture custom cable assemblies using this connector with low minimum quantity requirements and short lead times. Or, do it yourself with these easy to solder connectors.

CN1394L-1	IEEE-1394 Firewire Connector, Type 1 Male	10.95	10.29	9.64	8.98	8.32

IEEE-1394 Firewire Shielded Panel Mount Couplers, Type 1 Connectors

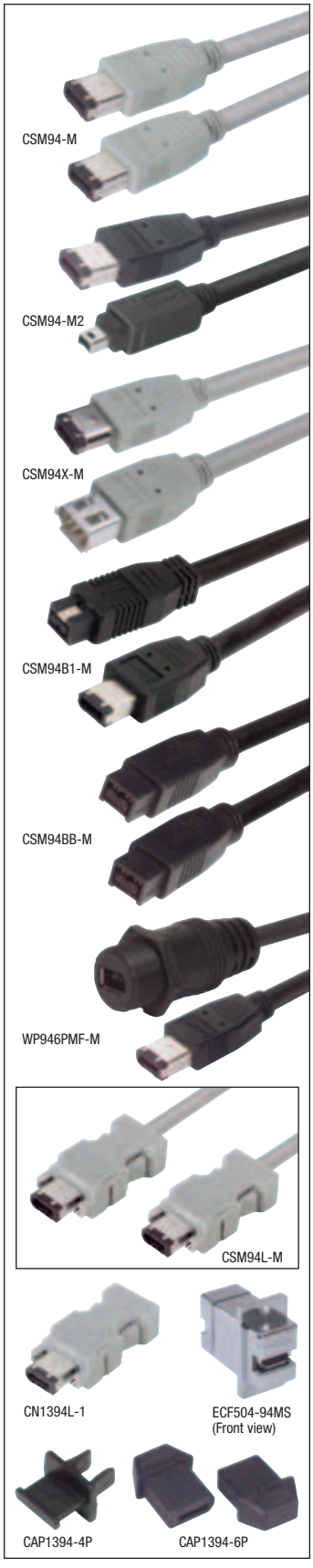
This coupler provides a practical and cost effective way to feed Firewire cables through a panel or enclosure. A unique mounting flange makes these units usable in virtually any panel thickness. Features two Type 1 (6 position) female connectors and metal housing. Recommended 4-40 mounting screws must be purchased separately.

ECF504-94MS	IEEE-1394 Firewire Shielded Coupler, Type 1 Connectors	8.95	8.77	8.41	7.88	6.71
ECF440	Machine Screws, 4-40 x 5/16", Pkg/1300	4.35	4.00	3.65	3.31	2.96

IEEE-1394 Firewire Connector Covers, 6 and 4 Position - Protect Unused Ports, Pkg/10

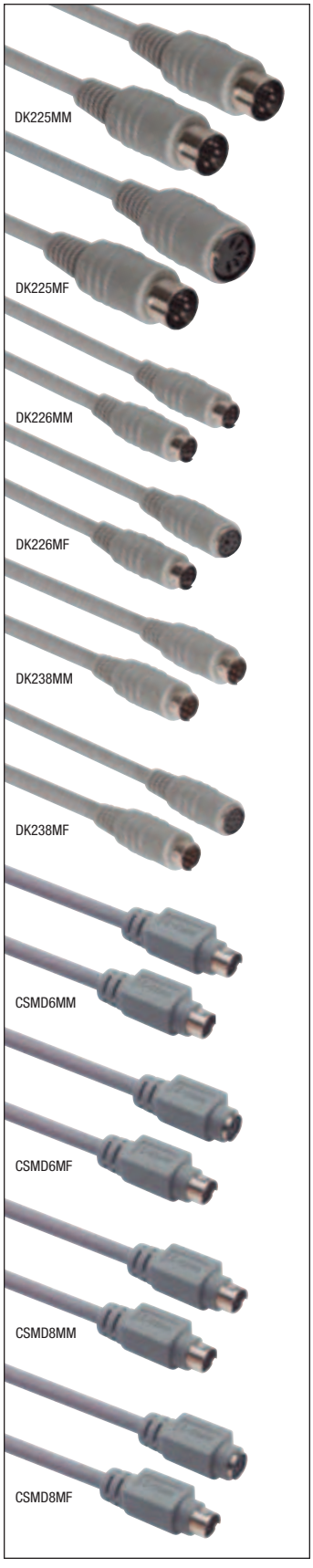
These covers are perfect for protecting unused female ports in our panel mount couplers or any expensive equipment from physical damage, dirt and dust. Made from soft ABS, these covers attach easily and stay in place with a snug friction fit. Color is Black.

CAP1394-4P	IEEE-1394 Firewire Protective Cover for Type 2 Jacks, Pkg/10	6.50	5.98	5.46	4.94	4.42
CAP1394-6P	IEEE-1394 Firewire Protective Cover for Type 1 Jacks, Pkg/10	6.50	5.98	5.46	4.94	4.42



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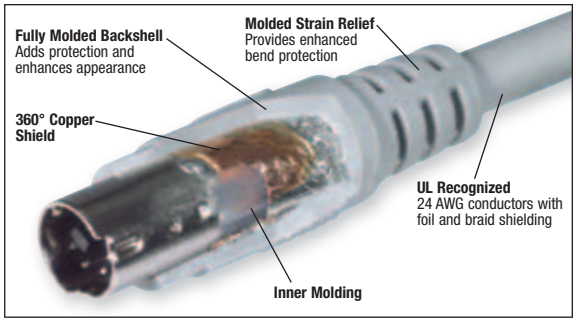


DIN and Mini DIN Cables for Computer Keyboards, Mice and Other Uses

These Premium DK Series are the finest DIN/Mini DIN cables on the market. As the illustration reveals, the painstaking attention to detail beneath the surface makes the difference. All DK cables listed are wired straight-thru, fully populated, double shielded (copper braid and aluminum mylar), 24 AWG and fully over molded. Color: Gray.

Common DIN and Mini DIN Jack Uses





Item #	Description	1-9	10-24	25-99	100-249	250-499
Premium DIN 5 Cables - Fully Populated - Double Shielded						
DK225MM-3	Molded Cable, DIN 5 Male / Male, 3.0ft (0.9m)	6.75	6.34	5.94	5.54	5.13
DK225MM-6	Molded Cable, DIN 5 Male / Male, 6.0ft (1.8m)	9.75	9.16	8.58	8.00	7.41
DK225MM-10	Molded Cable, DIN 5 Male / Male, 10.0ft (3.0m)	13.75	12.92	12.10	11.28	10.45
DK225MM-20	Molded Cable, DIN 5 Male / Male, 20.0ft (6.0m)	23.75	22.32	20.90	19.48	18.05
DK225MM-25	Molded Cable, DIN 5 Male / Male, 25.0ft (7.6m)	28.75	27.02	25.30	23.58	21.85
DK225MF-3	Molded Extension Cable, DIN 5, Male / Female, 3.0ft (0.9m)	6.75	6.34	5.94	5.54	5.13
DK225MF-6	Molded Extension Cable, DIN 5, Male / Female, 6.0ft (1.8m)	9.75	9.16	8.58	8.00	7.41
DK225MF-10	Molded Extension Cable, DIN 5, Male / Female, 10.0ft (3.0m)	13.75	12.92	12.10	11.28	10.45
DK225MF-20	Molded Extension Cable, DIN 5, Male / Female, 20.0ft (6.0m)	23.75	22.32	20.90	19.48	18.05
DK225MF-25	Molded Extension Cable, DIN 5, Male / Female, 25.0ft (7.6m)	28.75	27.02	25.30	23.58	21.85
Premium Mini DIN 6 Cables - Fully Populated - Double Shielded						
DK226MM-1	Molded Cable, Mini DIN 6 Male / Male, 1.0ft (0.3m)	6.95	6.53	6.12	5.70	5.28
DK226MM-2	Molded Cable, Mini DIN 6 Male / Male, 2.0ft (0.6m)	7.95	7.47	7.00	6.52	6.04
DK226MM-3	Molded Cable, Mini DIN 6 Male / Male, 3.0ft (0.9m)	8.95	8.41	7.88	7.34	6.80
DK226MM-6	Molded Cable, Mini DIN 6 Male / Male, 6.0ft (1.8m)	11.95	11.23	10.52	9.80	9.08
DK226MM-10	Molded Cable, Mini DIN 6 Male / Male, 10.0ft (3.0m)	15.95	14.99	14.04	13.08	12.12
DK226MM-15	Molded Cable, Mini DIN 6 Male / Male, 15.0ft (4.6m)	20.95	19.69	18.44	17.18	15.92
DK226MM-20	Molded Cable, Mini DIN 6 Male / Male, 20.0ft (6.0m)	25.95	24.39	22.84	21.28	19.72
DK226MM-25	Molded Cable, Mini DIN 6 Male / Male, 25.0ft (7.6m)	30.95	29.09	27.24	25.38	23.52
DK226MF-3	Molded Extension Cable, Mini DIN 6 Male / Female, 3.0ft (0.9m)	8.95	8.41	7.88	7.34	6.80
DK226MF-6	Molded Extension Cable, Mini DIN 6 Male / Female, 6.0ft (1.8m)	11.95	11.23	10.52	9.80	9.08
DK226MF-10	Molded Extension Cable, Mini DIN 6 Male / Female, 10.0ft (3.0m)	15.95	14.99	14.04	13.08	12.12
DK226MF-15	Molded Extension Cable, Mini DIN 6 Male / Female, 15.0ft (4.6m)	20.95	19.69	18.44	17.18	15.92
DK226MF-20	Molded Extension Cable, Mini DIN 6 Male / Female, 20.0ft (6.0m)	25.95	24.39	22.84	21.28	19.72
DK226MF-25	Molded Extension Cable, Mini DIN 6 Male / Female, 25.0ft (7.6m)	30.95	29.09	27.24	25.38	23.52
Premium Mini DIN 8 Cables - Fully Populated - Double Shielded						
DK238MM-1	Molded Cable, Mini DIN 8 Male / Male, 1.0ft (0.3m)	8.70	8.18	7.66	7.13	6.61
DK238MM-2	Molded Cable, Mini DIN 8 Male / Male, 2.0ft (0.6m)	9.70	9.12	8.54	7.95	7.37
DK238MM-3	Molded Cable, Mini DIN 8 Male / Male, 3.0ft (0.9m)	10.70	10.06	9.42	8.77	8.13
DK238MM-6	Molded Cable, Mini DIN 8 Male / Male, 6.0ft (1.8m)	13.70	12.88	12.06	11.23	10.41
DK238MM-10	Molded Cable, Mini DIN 8 Male / Male, 10.0ft (3.0m)	17.70	16.64	15.58	14.51	13.45
DK238MM-15	Molded Cable, Mini DIN 8 Male / Male, 15.0ft (4.6m)	22.70	21.34	19.98	18.61	17.25
DK238MM-20	Molded Cable, Mini DIN 8 Male / Male, 20.0ft (6.0m)	27.70	26.04	24.38	22.71	21.05
DK238MM-25	Molded Cable, Mini DIN 8 Male / Male, 25.0ft (7.6m)	32.70	30.74	28.78	26.81	24.85
DK238MF-3	Molded Extension Cable, Mini DIN 8 Male / Female, 3.0ft (0.9m)	10.70	10.06	9.42	8.77	8.13
DK238MF-6	Molded Extension Cable, Mini DIN 8 Male / Female, 6.0ft (1.8m)	13.70	12.88	12.06	11.23	10.41
DK238MF-10	Molded Extension Cable, Mini DIN 8 Male / Female, 10.0ft (3.0m)	17.70	16.64	15.58	14.51	13.45
DK238MF-15	Molded Extension Cable, Mini DIN 8 Male / Female, 15.0ft (4.6m)	22.70	21.34	19.98	18.61	17.25
DK238MF-20	Molded Extension Cable, Mini DIN 8 Male / Female, 20.0ft (6.0m)	27.70	26.04	24.38	22.71	21.05
DK238MF-25	Molded Extension Cable, Mini DIN 8 Male / Female, 25.0ft (7.6m)	32.70	30.74	28.78	26.81	24.85

Economy Mini DIN Cables - Shielded, Molded, Fully Populated

These cables provide an economical choice suitable for many applications and are comparable with most cables on the market. Available with Mini DIN 6 or 8 position connectors. Construction features durable PVC mold, 28 AWG conductors and 360 degree foil shield. Color: Gray.

Economy Mini DIN 6 Cables - Male to Male and Male to Female						
CSMD6MM-3	Economy Molded Cable, Mini DIN 6 Male / Male, 3.0ft (0.9m)	4.45	4.18	3.92	3.65	3.38
CSMD6MM-6	Economy Molded Cable, Mini DIN 6 Male / Male, 6.0ft (1.8m)	5.50	5.17	4.84	4.51	4.18
CSMD6MM-10	Economy Molded Cable, Mini DIN 6 Male / Male, 10.0ft (3.0m)	6.90	6.49	6.07	5.66	5.24
CSMD6MM-25	Economy Molded Cable, Mini DIN 6 Male / Male, 25.0ft (7.6m)	12.15	11.42	10.69	9.96	9.23
CSMD6MF-3	Economy Molded Cable, Mini DIN 6 Male / Female, 3.0ft (0.9m)	4.45	4.18	3.92	3.65	3.38
CSMD6MF-6	Economy Molded Cable, Mini DIN 6 Male / Female, 6.0ft (1.8m)	5.50	5.17	4.84	4.51	4.18
CSMD6MF-10	Economy Molded Cable, Mini DIN 6 Male / Female, 10.0ft (3.0m)	6.90	6.49	6.07	5.66	5.24
CSMD6MF-25	Economy Molded Cable, Mini DIN 6 Male / Female, 25.0ft (7.6m)	12.15	11.42	10.69	9.96	9.23
Economy Mini DIN 8 Cables - Male to Male and Male to Female						
CSMD8MM-3	Economy Molded Cable, Mini DIN 8 Male / Male, 3.0ft (0.9m)	5.60	5.26	4.93	4.59	4.26
CSMD8MM-6	Economy Molded Cable, Mini DIN 8 Male / Male, 6.0ft (1.8m)	7.10	6.67	6.25	5.82	5.40
CSMD8MM-10	Economy Molded Cable, Mini DIN 8 Male / Male, 10.0ft (3.0m)	9.10	8.55	8.01	7.46	6.92
CSMD8MM-25	Economy Molded Cable, Mini DIN 8 Male / Male, 25.0ft (7.6m)	16.60	15.60	14.61	13.61	12.62
CSMD8MF-3	Economy Molded Cable, Mini DIN 8 Male / Female, 3.0ft (0.9m)	5.60	5.26	4.93	4.59	4.26
CSMD8MF-6	Economy Molded Cable, Mini DIN 8 Male / Female, 6.0ft (1.8m)	7.10	6.67	6.25	5.82	5.40
CSMD8MF-10	Economy Molded Cable, Mini DIN 8 Male / Female, 10.0ft (3.0m)	9.10	8.55	8.01	7.46	6.92
CSMD8MF-25	Economy Molded Cable, Mini DIN 8 Male / Female, 25.0ft (7.6m)	16.60	15.60	14.61	13.61	12.62

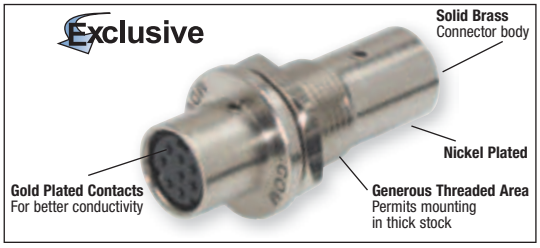
L-com Global Connectivity

Connect with L-com Global Connectivity

Item #	Description	1-9	10-24	25-99	100-249	250-499

DIN and Mini DIN Adapters and Connectors

These adapters are an L-com exclusive. Useful in many applications including S-video, computer mice, keyboards and instrumentation. A unique design permits easy mounting in standard size 0.5" (1.3cm) and 0.75" (1.9cm) circular or D shaped openings allowing the use of common punch tooling. Adapter bodies are machined from solid brass. Bright nickel plating provides corrosion resistance and a quality appearance. Gold plated contacts ensure reliable connections. Custom versions will be considered with modest minimums, please contact our Sales Group for assistance.



DIN and Mini DIN Feed-thru Adapters - Panel and Wall Plate Mountable

These exclusive adapters offer a unique design suitable for panel mounting DIN and Mini DIN adapters. Female-Female gender.

MD44FF	Feed-Thru Adapter, Mini DIN 4, Female / Female	8.35	7.68	7.01	6.35	5.68
MD66FF	Feed-Thru Adapter, Mini DIN 6, Female / Female	8.65	7.96	7.27	6.57	5.88
MD88FF	Feed-Thru Adapter, Mini DIN 8, Female / Female	8.95	8.23	7.52	6.80	6.09
DD55F	Feed-Thru Adapter, DIN 5, Female / Female	8.95	8.23	7.52	6.80	6.09

Mini DIN Bulkhead Jack to Flying Leads

Machined adapters utilize 4, 6 or 8 26 AWG color coded wires for chassis termination.

MD44FJF	Mini DIN 4 Bulkhead Jack / Leads, Front Mount	9.35	8.60	7.85	7.11	6.36
MD66FJF	Mini DIN 6 Bulkhead Jack / Leads, Front Mount	9.65	8.88	8.11	7.33	6.56
MD88FJF	Mini DIN 8 Bulkhead Jack / Leads, Front Mount	9.95	9.15	8.36	7.56	6.77
MD44FJR	Mini DIN 4 Bulkhead Jack / Leads, Rear Mount	9.35	8.60	7.85	7.11	6.36
MD66FJR	Mini DIN 6 Bulkhead Jack / Leads, Rear Mount	9.65	8.88	8.11	7.33	6.56
MD88FJR	Mini DIN 8 Bulkhead Jack / Leads, Rear Mount	9.95	9.15	8.36	7.56	6.77

Mini DIN Bulkhead Adapter Styles



Mini DIN 6 and 8 Gender Changers

DMB536F	Gender Changer, Mini DIN 6 Female / Female	3.95	3.63	3.32	3.00	2.69
DMB538F	Gender Changer, Mini DIN 8 Female / Female	3.95	3.63	3.32	3.00	2.69

Premium Mini DIN 6 Y Cable - Fully Populated - Double Shielded - Male to (2) Female

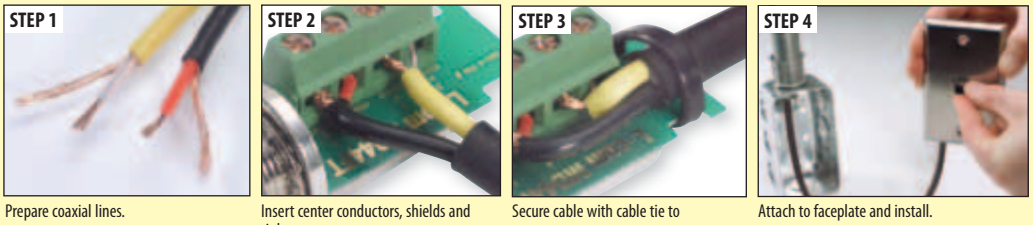
K23-MDY	Molded Y Cable, Mini DIN 6 Male / 2 Mini DIN 6 Female, 1.25 ft	7.95	7.31	6.68	6.04	5.41

Mini DIN 4 - S-Video Jack for Field Termination

The MD44FT Field Termination Mini DIN 4 Female jack offers a quick and easy field termination using common tools. Terminal blocks with set screws ensure reliable electrical connections. The terminal block area is clearly marked making field termination virtually foolproof. This unit is designed to fit common 0.5" circular or D style openings. The undercut PCB area provides a convenient area to secure a cable tie wrap resulting in a neat dressing for the terminated cable. Custom configurations will be considered with modest minimums.

MD44FT	Mini DIN 4 Female Field Termination Jack	7.25	6.67	6.09	5.51	4.93

Tip *Typical installation of an MD44FT field installable jack*



Interface Modules - DIN Rail Mountable, with Shielded D-Sub and RJ45 Connectors

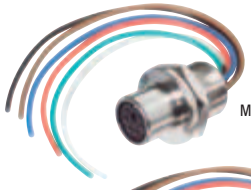
These DIN rail mountable interface modules feature a unique series of plated through holes that allow for the insertion of electronic components inline or across any circuit. Modules are available with shielded DB9, DB15, DB25, DB37 and DB50 female connectors. Also listed is a shielded RJ45 jack version. Terminal block connectors accept 26-12 AWG wire, are easily terminated and do not require crimp ferrules. Please inquire on any custom modifications required.

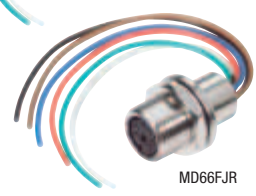
RBMIDB09F	Interface Module, DB9 Female	55.00	53.90	52.80	51.70	50.60
RBMIDB15F	Interface Module, DB15 Female	62.00	60.76	59.52	58.28	57.04
RBMIDB25F	Interface Module, DB25 Female	72.00	70.56	69.12	67.68	66.24
RBMIDB37F	Interface Module, DB37 Female	85.00	83.30	81.60	79.90	78.20
RBMIDB50F	Interface Module, DB50 Female	140.00	137.20	134.40	131.60	128.80
RBMIRJ45F	Interface Module, RJ45 Jack	50.00	49.00	48.00	47.00	46.00

Best Seller


MD44FF MD66FF

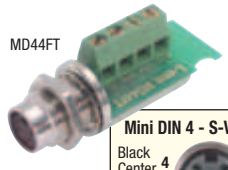

MD88FF DD55F

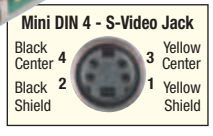

MD66FJF


MD66FJR


DMB538F


K23-MDY


MD44FT





Connector reference chart
A handy listing of popular connectors.
L-com.com/ConnectorChart

L-com Global Connectivity



IEEE-488 GPIB Tutorial

What are GPIB cables?

GPIB cables consist of 12 twisted pairs of copper wire and utilize a Centronics 24 style male/female connector.

How are GPIB cables used?

They are used in a bus or star architecture where the connectors "piggy back" each other and then connect primarily test and measurement equipment to PCs and other devices.

Where are GPIB cables used?

GPIB cables are typically used in test and measurement applications and are also used in DAQ (data acquisition) applications.

IEEE-488 Cabling Terms

Adapter: A device used to interconnect two different connector types.

American Wire Gauge (AWG): A U.S. standard set of non-ferrous wire conductor sizes. Typical data wiring is AWG number 24, 26 or 28. The higher the gauge number, the smaller the diameter and thinner the wire.

Backshell (Hood): A mechanical backing that is sometimes put onto a connector. The device protects the conductors and can be assembled or injection molded.

Bus: Also called a "Daisy Chain". A network topology where each node is connected to one another in line. A major disadvantage is that when there is a break in the bus the entire network goes down.

Cable: A set of insulated wires or conductors within an extruded jacket. Many types of cable utilize shielding around the wires and under the cable jacket.

Cable Assembly: A piece of cable that has been terminated with one or more connectors.

Conductor: A metal path, usually copper, that passes electricity. When discussing data cabling, "wire" and "conductor" are synonymous.

Connector: Electromechanical coupling device that provides an electrical interface that can be mated and unmated.

Contact: The specific points of contact within a connector. Contacts can be male (pins) or female (sockets).

Coupler: A device used to connect two similar connector types.

Crosstalk: The coupling of electromagnetic fields from conductors into adjacent conductors. Crosstalk is controlled by twisting the conductors into a pair or by separating/shielding conductors.

Electromagnetic Interference (EMI): Unwanted electromagnetic or electrical energy that causes unwanted responses in electronic equipment.

GPIB: General Purpose Interface Bus. Common name for IEEE-488.

HPIB: Hewlett Packard Interface Bus. Common name for IEEE-488.

IEEE-488: Institute of Electrical and Electronics Engineers interface standard number 488.

Injection Molding: The process used to inject molten polymer into a mold. Connector backshells are often injection molded.

Insulation: A material with very high resistivity used to protect conductors. Insulation is usually extruded over the wire or conductor after the drawing process.

Insulation Displacement Contact: A means of terminating wires without the need of stripping down to the bare wire.

Jack: The female receptacle - usually found on equipment.

Plug: Popular term for a male gender connector of varied types.

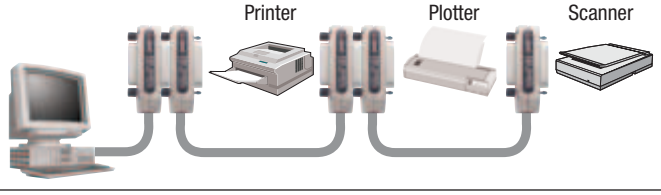
Shielding: A conductive foil or braid that covers insulated wires in a cable. The shield provides electrical grounding and protection from external electromagnetic interference (EMI). Shielding is also used to control internal electromagnetic radiation.

Strain Relief: A method of protecting the wire to contact point from flexing or pulling.

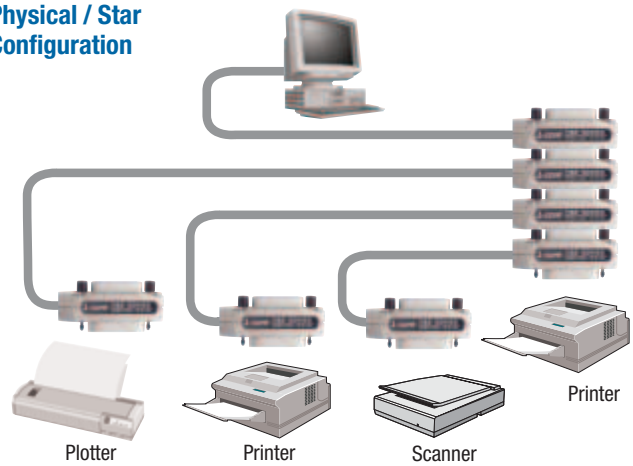
Twisted Pair: Two insulated conductors twisted at a fixed rate of twists per unit of length, typically used in balanced circuits where nominal impedance and crosstalk are critical characteristics.

Wire: Conductive material, typically copper, that has been drawn down to a specific size and coated with an insulating material. A "bare wire" utilizes no insulator coating.

In-Line / Linear Configuration

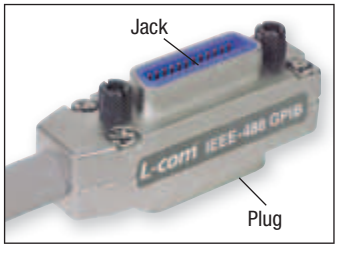


Physical / Star Configuration

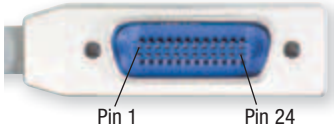


IEEE-488 Connector Specifications

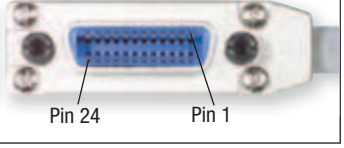
The IEEE-488 GPIB connector utilizes 24 contacts in a parallel configuration.



PLUG (male)



JACK (female)



IEEE-488 Cable Construction

- 24 conductors with twisted pairs
- Braid Shield with a minimum 85% coverage
- Centronics style 24 position male to female piggy back connectors allowing for easy daisy chaining
- Metric mating hardware, M3.5 x 0.6



L-com Global Connectivity

For more useful information go to....
L-com.com/Resources

Shop at L-com.com or call 1-800-343-1455 • E-mail: sales@L-com.com • Fax: 978-689-9484

L-com IEEE-488 Cable Assembly Options

L-com offers three different cable options to best satisfy customer needs and maximize value:

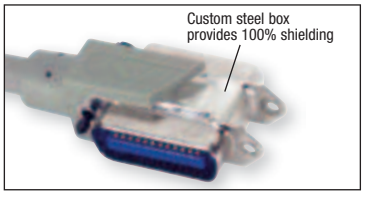
	MOLDED	DELUXE	PREMIUM
Backshell Detail	PVC molded backshell over internal steel shell enclosure	Die cast aluminum, nickel plated backshell	Die cast aluminum, nickel plated backshell
Connector Detail	Stamped steel, nickel plated connectors	Die cast alloy, nickel plated connectors	Die cast alloy, nickel plated connectors
Contact Plating	30 microinch gold plated contacts	30 microinch gold plated contacts	30 microinch gold plated contacts
Cable Shielding	One braid and one foil/mylar overall shield	One braid and one foil/mylar overall shield plus one inner foil/mylar shield	One braid and one foil/mylar overall shield plus one inner braid and one inner foil/mylar shield

L-com is the Originator

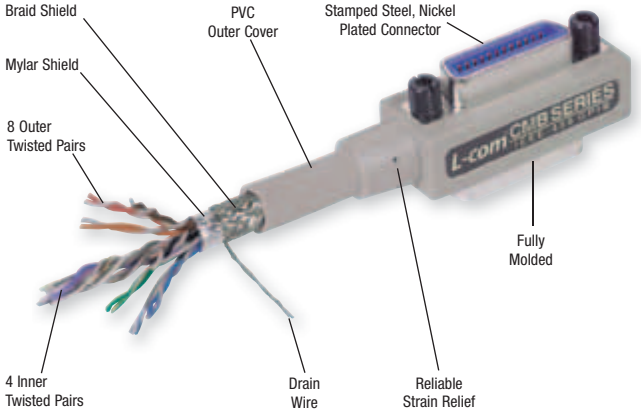
L-com was the first to introduce molded, in-line, male only GPIB cables. Acceptance was immediate and soon users demanded upgraded models with metal connector shells and better cable shielding gradations. Now the female version has been added to complete the series.

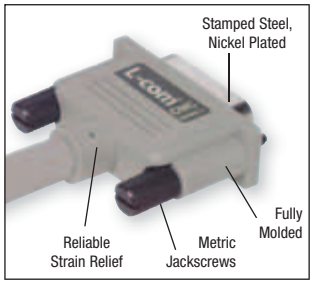
We complied with your wishes and we're proud to offer the latest premium and deluxe versions of single ended cables listed as standard items.

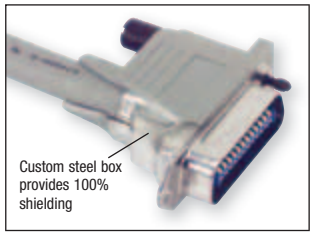
We urge you to try this wiring concept and to discover the many real advantages.



Molded Cable Makeup
CMB/CIM/CIMB/CMC/CMD Series







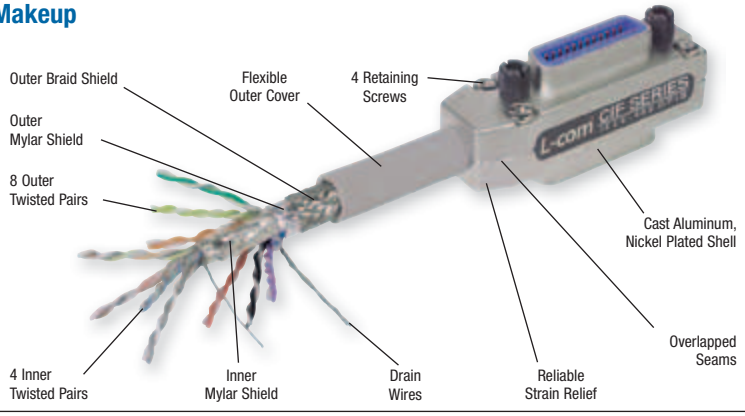
The Industry Standard

Hewlett Packard set the criteria in the design of optimum IEEE-488 GPIB cables with three shields, twisted pairs and metal shells, offering maximum performance.

L-com agreed with this need and developed a comparable cable type that we call the CIF Series. This family of IEEE-488 GPIB cables is directly interchangeable with HP, AMP and Amphenol.

The Deluxe Series is by far your best buy compared to any of the GPIB cables on the market today.

Deluxe Cable Makeup
CIF Series

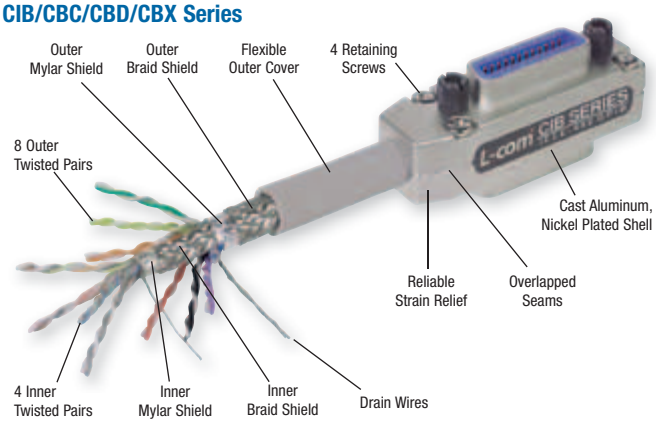


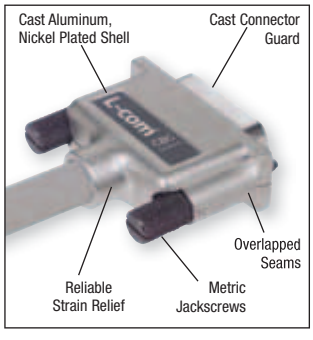
L-com offers the Most Value

A reminder that the difference in cost between good quality wiring components and the IEEE-488 cables offered by discounters is very little indeed. When you consider the total value of the equipment that will be tied into a system, the cost of cables, adapters and accessories becomes only a small part of the total investment.

In many applications, it is wise to use the premier cables on the market, L-com's Premium Series. Our cables and accessories are of the highest quality and our prices are realistic. We feel confident that if you compare Quality, Variety, Service and Price you will find that L-com definitely comes out on top on all counts.

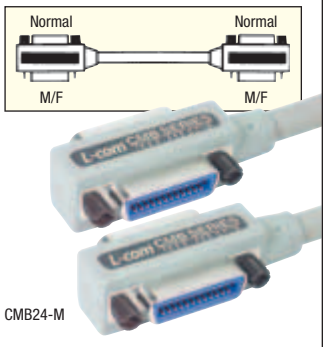
Premium Cable Makeup
CIB/CBC/CBD/CBX Series



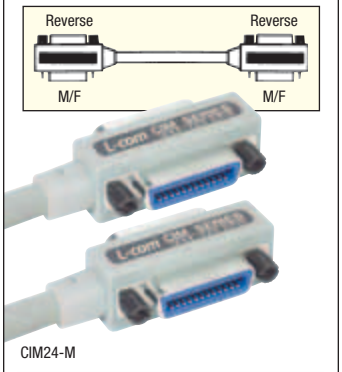


L-com Molded Grade Cable Assemblies

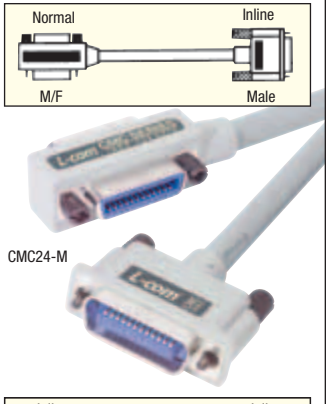
Cables listed on this page utilize Two Shields and a fully molded backshell. They are the most economical choice and are the most common substitute to competitor models.



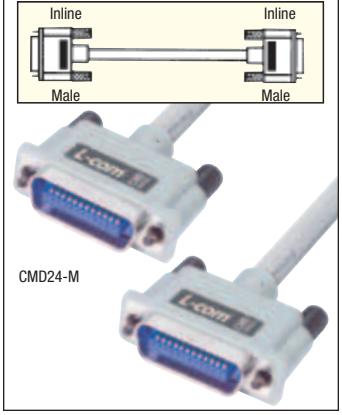
CMB24-M



CIM24-M



CMC24-M



CMD24-M

Item #	Description	Connector Orientation	1-9	10-24	25-99	100-249

Molded Grade IEEE-488 GPIB Cables - Double Shielded with Molded Backshells

L-com offers many IEEE-488 cable assembly options. The most economical choice uses double shielded cable that is adequate for many applications. Featuring all-molded connector ends which contribute to a long life expectancy and are impervious to breakage at the point where the cable enters the connector housing. A unique stamped steel internal enclosure provides 100% shielding and a robust strain relief. Considerable savings can be realized using this cable, particularly in volume applications.

The CMB Cable Series meets all standards of the IEEE-488 interface, conforms with normal mounting procedures and is directly compatible with HP, AMP and Amphenol.

CMB24-05M	Molded IEEE-488 Cable, 0.5m	Normal / Normal	54.00	52.92	50.76	47.52
CMB24-1M	Molded IEEE-488 Cable, 1.0m	Normal / Normal	57.00	55.86	53.58	50.16
CMB24-2M	Molded IEEE-488 Cable, 2.0m	Normal / Normal	63.00	61.74	59.22	55.44
CMB24-3M	Molded IEEE-488 Cable, 3.0m	Normal / Normal	69.00	67.62	64.86	60.72
CMB24-4M	Molded IEEE-488 Cable, 4.0m	Normal / Normal	75.00	73.50	70.50	66.00
CMB24-5M	Molded IEEE-488 Cable, 5.0m	Normal / Normal	80.00	78.40	75.20	70.40
CMB24-6M	Molded IEEE-488 Cable, 6.0m	Normal / Normal	86.00	84.28	80.84	75.68
CMB24-8M	Molded IEEE-488 Cable, 8.0m	Normal / Normal	98.00	96.04	92.12	86.24

Molded IEEE-488 GPIB Cables - Two Reverse Entry Connectors to Overcome Difficult Mounting

There are times when the use of a standard GPIB cable is not desirable because of obstructions from other nearby instruments, etc. In some cases it may be more advantageous to have the cable enter the connector housing from the opposite direction. An obvious advantage is when it is used as an extension cable.

CIM24-05M	Molded IEEE-488 Cable, 0.5m	Reverse / Reverse	51.00	48.96	46.92	44.88
CIM24-1M	Molded IEEE-488 Cable, 1.0m	Reverse / Reverse	54.00	51.84	49.68	47.52
CIM24-2M	Molded IEEE-488 Cable, 2.0m	Reverse / Reverse	59.00	56.64	54.28	51.92
CIM24-3M	Molded IEEE-488 Cable, 3.0m	Reverse / Reverse	65.00	62.40	59.80	57.20
CIM24-4M	Molded IEEE-488 Cable, 4.0m	Reverse / Reverse	69.00	66.24	63.48	60.72
CIM24-5M	Molded IEEE-488 Cable, 5.0m	Reverse / Reverse	74.00	71.04	68.08	65.12
CIM24-6M	Molded IEEE-488 Cable, 6.0m	Reverse / Reverse	79.00	75.84	72.68	69.52
CIM24-8M	Molded IEEE-488 Cable, 8.0m	Reverse / Reverse	88.00	84.48	80.96	77.44

Molded IEEE-488 GPIB Cables - With One Reverse Entry Connector to One Normal Entry

GPIB users realize the virtues of reverse entry and have asked us to provide half and half types. L-com offers GPIB cables that are useful for connecting rack equipment when GPIB receptacles do not orientate properly to allow shortest distance and an orderly appearance.

CIMB24-03M	Molded IEEE-488 Cable, 0.3m	Normal / Reverse	50.00	45.00	40.00	35.00
CIMB24-05M	Molded IEEE-488 Cable, 0.5m	Normal / Reverse	52.00	46.80	41.60	36.40
CIMB24-1M	Molded IEEE-488 Cable, 1.0m	Normal / Reverse	55.00	49.50	44.00	38.50

Molded CMC Series IEEE-488 GPIB Cables - Feature One Inline GPIB Male Termination

These molded GPIB cables are similar in construction and electrical specifications to our popular CMB24 series except that one end terminates to a straight male connector. This is sometimes preferred when there is no apparent need to have the exposed female end. It also eliminates the need for capping the exposed connector. Quite useful when the traditional right angle cable gets in the way of other cables such as in a computer back plane. Both ends of these cables utilize a stamped steel internal closure providing 100% shielding and a robust strain relief.

CMC24-05M	Molded IEEE-488 Cable, 0.5m	Normal / Inline	46.00	43.24	40.48	37.72
CMC24-1M	Molded IEEE-488 Cable, 1.0m	Normal / Inline	49.00	46.06	43.12	40.18
CMC24-2M	Molded IEEE-488 Cable, 2.0m	Normal / Inline	54.00	50.76	47.52	44.28
CMC24-3M	Molded IEEE-488 Cable, 3.0m	Normal / Inline	60.00	56.40	52.80	49.20
CMC24-4M	Molded IEEE-488 Cable, 4.0m	Normal / Inline	65.00	61.10	57.20	53.30
CMC24-5M	Molded IEEE-488 Cable, 5.0m	Normal / Inline	71.00	66.74	62.48	58.22
CMC24-10M	Molded IEEE-488 Cable, 10.0m	Normal / Inline	98.00	92.12	86.24	80.36

Molded CMD Series IEEE-488 GPIB Cables - Have Two Inline GPIB Male Terminations

We've gone one step further with these molded CMD series cables and equipped both ends of the cable with a molded single ended GPIB connector.

CMD24-05M	Molded IEEE-488 Cable, 0.5m	Inline / Inline	22.00	21.56	21.12	20.68
CMD24-1M	Molded IEEE-488 Cable, 1.0m	Inline / Inline	27.00	26.46	25.92	25.38
CMD24-2M	Molded IEEE-488 Cable, 2.0m	Inline / Inline	38.00	37.24	36.48	35.72
CMD24-3M	Molded IEEE-488 Cable, 3.0m	Inline / Inline	49.00	48.02	47.04	46.06
CMD24-4M	Molded IEEE-488 Cable, 4.0m	Inline / Inline	60.00	58.80	57.60	56.40
CMD24-5M	Molded IEEE-488 Cable, 5.0m	Inline / Inline	71.00	69.58	68.16	66.74
CMD24-10M	Molded IEEE-488 Cable, 10.0m	Inline / Inline	100.00	98.00	96.00	94.00

Tip ***The chart below will help you to find the connector orientation style that you need.***

Normal Orientation



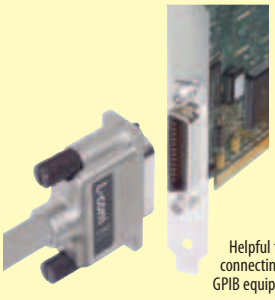
This is the standard for most GPIB cable assemblies

Reverse Orientation



Great for extending GPIB cable runs

Inline Orientation



Helpful for connecting to GPIB equipment

L-com Global Connectivity

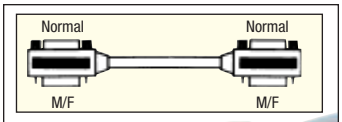
Product wizards
Find the exact product you need with our easy-to-use wizards.
L-com.com/ProductWizards

Item #	Description	Connector Orientation	1-9	10-24	25-99	100-249

Deluxe Grade IEEE-488 GPIB Cables - Three Shields Plus Cast Aluminum Shells

Two foil shields plus one copper braid shield (over 90% coverage) provide low capacitance to maintain the IEEE specifications of these cables. Designed and built to handle your system's data rate, up to the 1 Mbyte/s IEEE maximum. All technical features found in our Premium CIB24 Series are incorporated in this series, the only exception is one less shield. This series is as good as, or better than, other name brand IEEE-488 cables on the market today. This is truly the best buy because you get industry standard features at realistic prices. No other IEEE-488 cables of this grade are available at a competitive price. The CIF24 Series IEEE-488 cables may be used to connect two compatible devices such as a personal computer and a plotter. They can be Daisy-Chained to several computer peripherals or may be used to integrate a system of programmable test instruments and control devices. Each end of every cable has a male/female connector and readily accepts a male terminated cable.

CIF24-03M	Deluxe IEEE-488 Cable, 0.3m	Normal / Normal	84.70	83.01	79.62	74.54
CIF24-05M	Deluxe IEEE-488 Cable, 0.5m	Normal / Normal	86.50	84.77	81.31	76.12
CIF24-1M	Deluxe IEEE-488 Cable, 1.0m	Normal / Normal	91.00	89.18	85.54	80.08
CIF24-2M	Deluxe IEEE-488 Cable, 2.0m	Normal / Normal	100.00	98.00	94.00	88.00
CIF24-3M	Deluxe IEEE-488 Cable, 3.0m	Normal / Normal	109.00	106.82	102.46	95.92
CIF24-4M	Deluxe IEEE-488 Cable, 4.0m	Normal / Normal	118.00	115.64	110.92	103.84
CIF24-5M	Deluxe IEEE-488 Cable, 5.0m	Normal / Normal	127.00	124.46	119.38	111.76
CIF24-6M	Deluxe IEEE-488 Cable, 6.0m	Normal / Normal	136.00	133.28	127.84	119.68
CIF24-8M	Deluxe IEEE-488 Cable, 8.0m	Normal / Normal	154.00	150.92	144.76	135.52

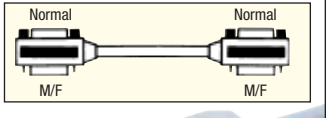




Premium Grade IEEE-488 GPIB Cables - 4 Shields, Aluminum Nickel Plated Shells

These cables have two copper braid shields coupled with two foil shields to work to reduce the amount of radiated emissions. This helps many systems to pass FCC Part 15, MIL-STD-461A, VDE 0871 and VDE 0875. All wires are twisted pairs to maintain a low capacitance within the 150 pF/m IEEE specification. Besides superior electrical characteristics, this cable has been designed to last a very long time. Care has been given to offer a cable with extreme flexibility that is equipped with a superior strain relief. This prevents the cable from coming apart when it is bent at a sharp angle, which has been a common fault with many IEEE-488 cables on the market today. Cast aluminum, nickel plated shells are used to prevent corrosion and have overlapping seams rather than being butt-jointed. One could hope for nothing else in the makeup of the best IEEE-488 cable. All this offered at a realistic price.

CIB24-03M	Premium IEEE-488 Cable, 0.3m	Normal / Normal	89.20	87.42	83.85	78.50
CIB24-05M	Premium IEEE-488 Cable, 0.5m	Normal / Normal	92.00	90.16	86.48	80.96
CIB24-1M	Premium IEEE-488 Cable, 1.0m	Normal / Normal	99.00	97.02	93.06	87.12
CIB24-2M	Premium IEEE-488 Cable, 2.0m	Normal / Normal	113.00	110.74	106.22	99.44
CIB24-2.5M	Premium IEEE-488 Cable, 2.5m	Normal / Normal	120.00	117.60	112.80	105.60
CIB24-3M	Premium IEEE-488 Cable, 3.0m	Normal / Normal	127.00	124.46	119.38	111.76
CIB24-4M	Premium IEEE-488 Cable, 4.0m	Normal / Normal	141.00	138.18	132.54	124.08
CIB24-5M	Premium IEEE-488 Cable, 5.0m	Normal / Normal	155.00	151.90	145.70	136.40
CIB24-6M	Premium IEEE-488 Cable, 6.0m	Normal / Normal	163.00	159.74	153.22	143.44
CIB24-8M	Premium IEEE-488 Cable, 8.0m	Normal / Normal	189.00	185.22	177.66	166.32
CIB24-10M	Premium IEEE-488 Cable, 10.0m	Normal / Normal	215.00	210.70	202.10	189.20
CIB24-12M	Premium IEEE-488 Cable, 12.0m	Normal / Normal	241.00	236.18	226.54	212.08
CIB24-15M	Premium IEEE-488 Cable, 15.0m	Normal / Normal	280.00	274.40	263.20	246.40
CIB24-18M	Premium IEEE-488 Cable, 18.0m	Normal / Normal	319.00	312.62	299.86	280.72



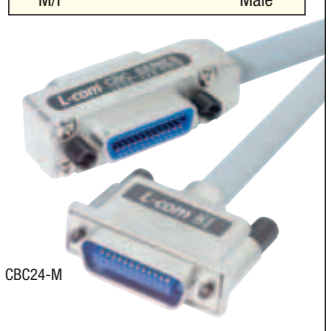


Premium Grade CBC24 Series IEEE-488 GPIB Cables - With One Inline GPIB Male Termination

This premium series has one conventional male-female connector. The other end terminates to a straight male-only connector, a feature sometimes preferred when there is no need to have a female end exposed. This cable is most useful when the dual-right angle connectors get in the way of other system cables and particularly in a computer back plane.

CBC24-05M	Premium IEEE-488 Cable, 0.5m	Normal / Inline	83.00	76.36	69.72	CALL
CBC24-1M	Premium IEEE-488 Cable, 1.0m	Normal / Inline	88.00	80.96	73.92	CALL
CBC24-2M	Premium IEEE-488 Cable, 2.0m	Normal / Inline	98.00	90.16	82.32	CALL
CBC24-3M	Premium IEEE-488 Cable, 3.0m	Normal / Inline	108.00	99.36	90.72	CALL
CBC24-4M	Premium IEEE-488 Cable, 4.0m	Normal / Inline	118.00	108.56	99.12	CALL
CBC24-5M	Premium IEEE-488 Cable, 5.0m	Normal / Inline	128.00	117.76	107.52	CALL
CBC24-8M	Premium IEEE-488 Cable, 8.0m	Normal / Inline	158.00	145.36	132.72	CALL

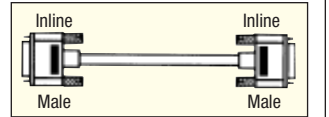


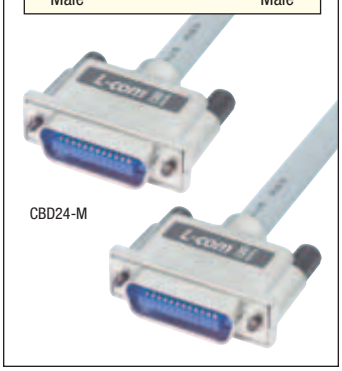


Premium Grade CBD24 Series IEEE-488 GPIB Cables - With Two Inline GPIB Male Terminations

We've also provided this premium series IEEE-488 cable equipped with two single ended male ends. This cable type is not only useful in many applications, but also saves money. It has the same specifications as the basic CIB24 series. All connector guards are cast metal, not stamped metal.

CBD24-05M	Premium IEEE-488 Cable, 0.5m	Inline / Inline	77.00	70.84	64.68	CALL
CBD24-1M	Premium IEEE-488 Cable, 1.0m	Inline / Inline	82.00	75.44	68.88	CALL
CBD24-2M	Premium IEEE-488 Cable, 2.0m	Inline / Inline	92.00	84.64	77.28	CALL
CBD24-3M	Premium IEEE-488 Cable, 3.0m	Inline / Inline	102.00	93.84	85.68	CALL
CBD24-4M	Premium IEEE-488 Cable, 4.0m	Inline / Inline	112.00	103.04	94.08	CALL
CBD24-5M	Premium IEEE-488 Cable, 5.0m	Inline / Inline	122.00	112.24	102.48	CALL
CBD24-8M	Premium IEEE-488 Cable, 8.0m	Inline / Inline	152.00	139.84	127.68	CALL

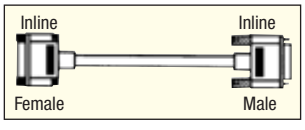


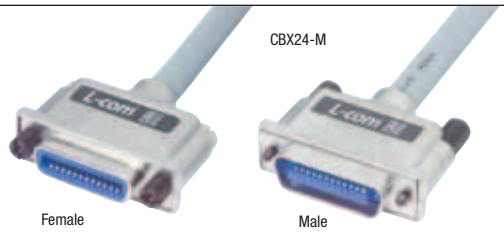


Premium Grade CBX24 IEEE-488 GPIB Extension Cables - One Inline Male to One Inline Female Connector

The world's first true IEEE-488 extension cable adds versatility to the inline series as an everyday means of interconnection. A useful cable for those situations which require a longer cable.

CBX24-1M	Premium IEEE-488 Extension Cable, 1.0m	Inline / Inline	82.00	75.44	68.88	CALL
CBX24-2M	Premium IEEE-488 Extension Cable, 2.0m	Inline / Inline	92.00	84.64	77.28	CALL
CBX24-3M	Premium IEEE-488 Extension Cable, 3.0m	Inline / Inline	102.00	93.84	85.68	CALL





Free technical support
Call toll free at 1-800-343-1455
if you have questions about your application.

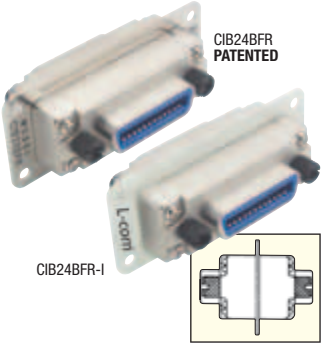
L-com® Global Connectivity


CIB24BA

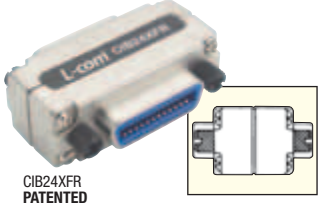
Exclusive

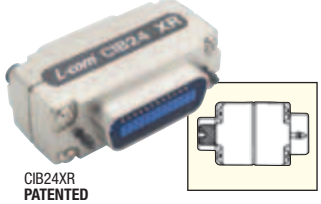

CIB24BF
PATENTED

CIB24BF-I


CIB24BFR
PATENTED

CIB24BFR-I


CIB24XFR
PATENTED


CIB24XR
PATENTED


CTS2424-4GPN

USB-488

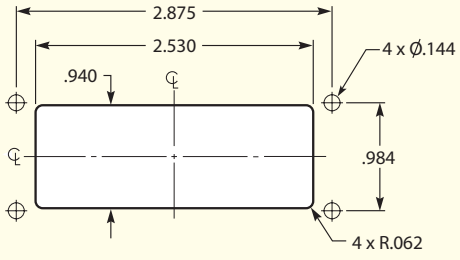
Item #	Description	Connector Orientation	1-9	10-24	25-99	100-249

IEEE-488 GPIB Bulkhead Adapters - The Easiest Way to Feed GPIB Cables Through Panels

IEEE-488 bulkhead adapters originated because of a need by design and test engineers. Because of user concerns for ground loops, we offer another version of the popular CIB24BF with an insulated mounting bracket rather than a metal one. Model CIB24BF-I features a fiberglass mounting bracket.

CIB24BA	IEEE-488 Bulkhead Adapter, Male / Female	Normal	32.00	29.44	26.88	24.32
CIB24BF	IEEE-488 Bulkhead Adapter, Female / Female	Normal	34.00	31.28	28.56	25.84
CIB24BF-I	IEEE-488 Bulkhead Adapter, Insulated, Female / Female	Normal	35.00	32.20	29.40	26.60

Recommended Panel Openings for IEEE-488 GPIB Bulkhead Adapters



Tip

L-com reverse entry adapters solve cable extension problems in the field.

Before: Ⓐ

Typical GPIB cables with normal entry are difficult to extend.



After: Ⓑ

A reverse entry adapter solves the problem.



IEEE-488 GPIB Reverse Entry Adapters - The Ultimate Solution for Many Difficult Situations

A twist has been added to IEEE-488 networking by the introduction of reverse entry adapters.

CIB24BFR	Reverse Entry IEEE-488 Bulkhead Adapter, Female / Female	Reverse	34.00	31.28	28.56	25.84
CIB24BFR-I	Reverse Entry IEEE-488 Bulkhead Adapter, Insulated, Female / Female	Reverse	35.00	32.20	29.40	26.60

IEEE-488 GPIB Reverse GPIB Adapter - For Easy Extension of Two Standard IEEE-488 Cables

CIB24XFR	180° Reverse IEEE-488 Adapter, Female / Female	Reverse	26.00	23.92	21.84	19.76

IEEE-488 GPIB Reverse Extender - Changes Cable Direction 180° and Extends Port

CIB24XR	180° Reverse IEEE-488 Extender, Male / Female	Reverse	26.00	23.92	21.84	19.76

IEEE-488 GPIB Transfer Switches - Compact Metal Construction and Rotary Switching

An economy transfer switch that is fully shielded to afford maximum RFI/EMI protection. Two models are offered, the traditional A-B two position type and an A-B-C-D switch box.

CTS1224GAB	2 Way IEEE-488 Switch Box, A or B to I/O		94.00	88.36	82.72	77.08
CTS2424-4GPN	4 Way IEEE-488 Switch Box, A, B, C or D to I/O		105.00	98.70	92.40	86.10

USB-488 USB to GPIB Converter Cable

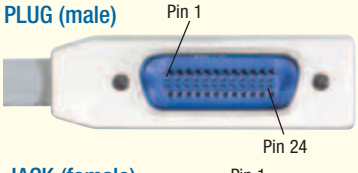
The USB-488 is a USB to GPIB Controller Module that converts any PC with a USB interface into a full-function, IEEE 488.2 Bus Controller.

USB-488	USB to GPIB Converter Cable	495.00	CALL	CALL	CALL

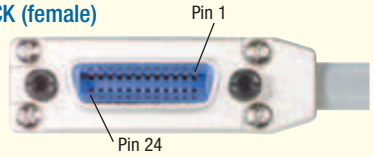
IEEE-488 GPIB Connector Specifications

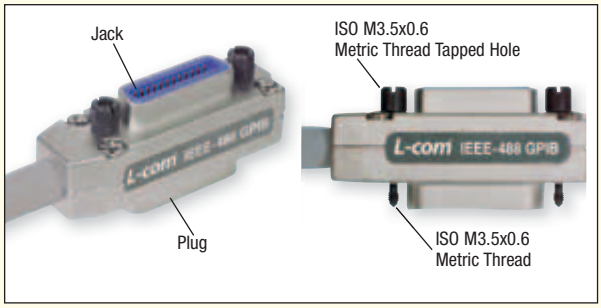
The IEEE-488 GPIB connector utilizes 24 contacts in a parallel configuration.

PLUG (male)



JACK (female)





L-com Global Connectivity

Same day shipping
Orders placed before 4:00 EST ship the same day.

Item #	Description	Connector Orientation	1-9	10-24	25-99	100-249

IEEE-488 GPIB Extender - This Handy Device Provides a One Inch Added Clearance

Our GPIB extender is sometimes used to provide a one inch extension allowing right angle cables that extra margin to clear adjoining obstacles.

CIB24X	IEEE-488 Extension Adapter, Male / Female	Normal	24.00	22.08	20.16	18.24

IEEE-488 GPIB Extender - With Modified Male Guard Eliminates Thick Panel Interference

This unique extender has a modified male connector flange that is intentionally made shorter. This shorter flange prevents problems in applications requiring plugging into a receptacle that is mounted on a thick panel that interferes and will not allow the connector to seat properly.

CIB24XM	Modified IEEE-488 Extender, Male / Female	Normal	26.00	23.92	21.84	19.76

IEEE-488 GPIB Slim-line Extenders - Provide One Inch Additional Clearance, Fits Narrow PC Ports

These handy, hard to find extenders are normally used to provide a one inch extension allowing right angle cables that extra margin to clear nearby obstacles. Special 0.73" height allows for use with computers having narrow port openings.

CIB24XC	Slim-line IEEE-488 Extender, Male / Female	Normal	27.00	24.84	22.68	20.52
CIB24XCR	Reverse Entry IEEE-488 Slim-line Extender, Male / Female	Reverse	30.00	27.60	25.20	22.80

IEEE-488 GPIB Ultra Slim-line Extender - No Frills, Fully Shielded, Cast Body

There's a growing need for a slimmer IEEE-488 extender that will clear narrow PC port openings. The CIB24XE slimline extender fills that need with an overall width of 0.62 inches (1.6cm). Connectors are cast aluminum with nickel plating and shielding is maintained with copper foil.

CIB24XE	IEEE-488 Ultra Slim-line Extender-Cast, Male / Female	Normal	19.00	17.48	15.96	14.44

IEEE-488 GPIB Socket/Connectors - Standard 24 Pin, Mates with all IEEE-488 Interfaces

These GPIB socket/connectors are ideal for production or replacement use and meet the highest quality standards. Contacts are gold plated for the best connectivity, mating hardware is plated with Black oxide. All plastic materials are UL94V-0 flammability rated. Quantity pricing is available upon request.

CIB24S	Female IEEE-488 Connector, Solder Lug Terminals	6.00	5.52	5.04	4.56
CIB24SPC	Female IEEE-488 Connector, Straight PC Terminals	6.00	5.52	5.04	4.56
CIB24SRA	Female IEEE-488 Connector, Right Angle PC Terminals	8.00	7.36	6.72	6.08

IEEE-488 GPIB Connector Shielding Covers - Protect Against Contamination, Physical Damage & RFI

L-com offers two cast aluminum covers that mate to the exposed end of the GPIB cable connector. These covers have many uses such as in production or shipping to protect against dirt or damage to the exposed connector.

CIB24C	IEEE-488 Connector Cover, Mates Female GPIB Connectors	6.00	5.52	5.04	4.56
CIB24CB	IEEE-488 Connector Cover, As Above but Black Anodized Finish	6.00	5.52	5.04	4.56
CIB24CM	IEEE-488 Connector Cover, Mates Male GPIB Connectors	6.00	5.52	5.04	4.56

IEEE-488 GPIB Inline Connector Kit - A Good Way to Retrofit Defective Cables

This unique GPIB inline connector kit allows the user to assemble their own inline IEEE-488 connectors. It includes a solder style male connector, two piece cast aluminum housing, two thumbscrews and a cable clamp. By using this inline connector kit, fast field cable terminations can be realized.

CB24SM	IEEE-488 Inline Male Connector Kit	13.00	11.96	10.92	9.88

IEEE-488 GPIB Thumbscrews

These handy GPIB thumbscrews are available in packages of 20 and can be used with L-com's Molded, Deluxe and Premium GPIB cable assemblies.

GPIB-TMBSC-14	IEEE-488 GPIB Thumbscrew, Molded Normal and Reverse Connectors, Pkg/20	11.00	10.56	10.12	9.68
GPIB-TMBSC-15	IEEE-488 GPIB Thumbscrew, Assembled Inline Connectors, Pkg/20	11.00	10.56	10.12	9.68
GPIB-TMBSC-16	IEEE-488 GPIB Thumbscrew, Molded Inline Connectors, Pkg/20	11.00	10.56	10.12	9.68
GPIB-TMBSC-18	IEEE-488 GPIB Thumbscrew, Assembled Normal Connectors, Pkg/20	11.00	10.56	10.12	9.68

Universal Series Sub-Panel with IEEE-488 GPIB Feed-Thru

This is the most efficient way of passing an IEEE-488 cable through a panel to provide access from outside the console. There are two basic feed-thru models available. The BFB model will accept a male terminated cable on each side with normal orientation. The BFRB version reverses cable direction. (See page 126 for further explanation).

USP24BFB	Universal Sub-Panel, IEEE-488 Bulkhead Adapter, Normal Entry	34.95	33.55	32.15	29.36
USP24BFRB	Universal Sub-Panel, IEEE-488 Bulkhead Adapter, Reverse Entry	34.95	33.55	32.15	29.36
UPR35-6B	Universal Master Rack Panel with 6 Openings, Black Color	24.95	23.95	22.95	21.96

Note: Full details on Universal Series found on page 226 & 227

IEEE-488 Multi-Tap Bus Strips - Four or Eight GPIB Receptacles with Optional Mounting Brackets

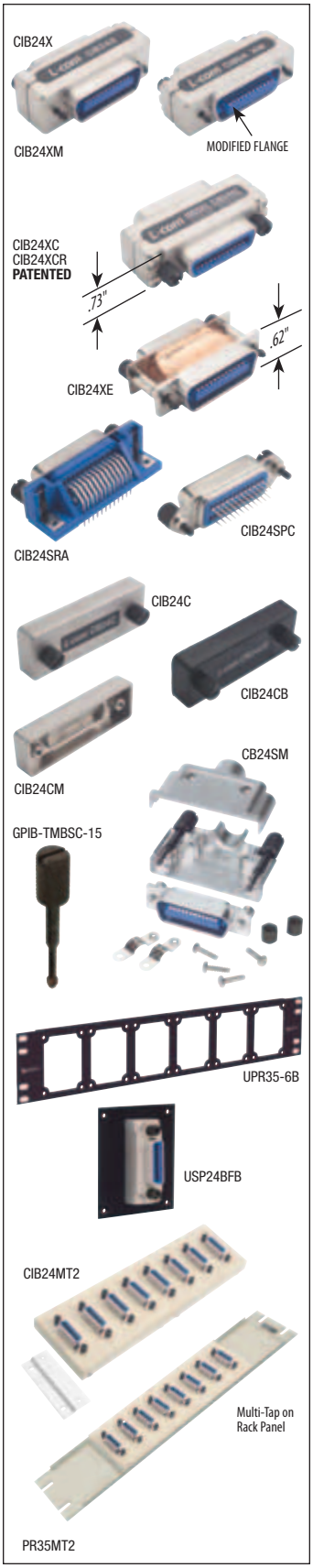
Our multi-tap bus strips simplify and expedite instrument relocations and changeovers by eliminating bulky cable assembly piggy-backing. Four or eight female connectors wired in parallel with locking standoffs accept GPIB cables in a single plane. Built of heavy chrome plated steel and fully shielded to minimize RFI/EMI disturbances. Supplied with rubber feet that rest on any flat surface and optional mounting brackets.

CIB24MT	Multi-Tap Bus Strip with 4 IEEE-488 Receptacles	39.95	39.15	38.35	37.55
CIB24MT2	Multi-Tap Bus Strip with 8 IEEE-488 Receptacles	89.00	87.22	85.44	83.66

Rack Mounted IEEE-488 GPIB Multi-Tap Bus Strip - Brings Order to Multiple Interconnections

This is a standard 3.5" (8.9cm) x 19" (48.3cm) rack panel containing an eight outlet IEEE-488 distribution panel. This eliminates tangled interconnection cabling so common in GPIB bus systems.

PR35MT2	GPIB Multi-Tap with 8 Receptacles on Rack Panel	108.95	106.77	104.59	102.41





Audio / Video Tutorial

What are Audio/Video products?

Audio/Video products consist of cables, adapters, converters and extenders which utilize various video and audio interfaces to transmit and receive video and/or audio signals.

How are Audio/Video products used?

The primary function of Audio/Video cables is the interconnection between a signal generating device such as a CPU (Central Processing Unit) and a display device such as a monitor.

Where are Audio/Video products used?

Audio/Video products are used in a wide variety of video and/or audio signal transmission applications found in homes, businesses, government, industrial, and military applications.

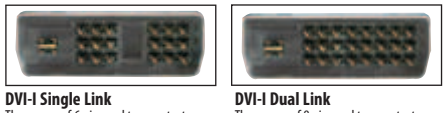
Common Audio/Video Interfaces

	HDMI (High Definition Multimedia Interface) 	DP (DisplayPort) 	DVI (Digital Video Interface) 	SVGA (Super Video Graphics Array) 
Standards Group	HDMI Licensing, LLC. (Consortium of consumer electronics manufacturers)	VESA (Video Electronics Standards Association)	DDWG (Digital Display Work Group)	VESA (Video Electronics Standards Association)
Maximum Channels	8	8	6 (Dual Link)	N/A
Maximum Resolution	HDTV 720P and 1080P	1080p	QXGA (2048 x 1536)	800 x 600
Analog / Digital Combination	No	No	DVI-I (24 + 4 Pin) Yes	No
Digital / Audio	Yes	Yes	No	No

DVI Connector Configuration Chart

Shown are a number of DVI connector interfaces that can be identified by the pin configurations. They include DVI-A (analog only), DVI-D (digital only) and DVI-I (analog and digital). In addition, single link and dual link configurations exist for both DVI-D and DVI-I. Shown are the major configurations illustrating the distinguishing features for each type of DVI interface.

ANALOG AND DIGITAL



DVI-I Single Link
Three rows of 6 pins and two contacts above and below the flat blade.

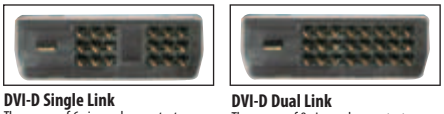
DVI-I Dual Link
Three rows of 8 pins and two contacts above and below the flat blade.

ANALOG ONLY



DVI-A
One row of 5 pins, one row of 3 pins and one row of 4 pins with two contacts above and below the flat blade.

DIGITAL ONLY



DVI-D Single Link
Three rows of 6 pins and no contacts above or below the flat blade.

DVI-D Dual Link
Three rows of 8 pins and no contacts above or below the flat blade.

Predictable Performance from L-com

As a member of both VESA and HDMI Licensing LLC., L-com ensures our audio/video products comply with the latest standards and undergo the required performance testing to provide our customers with best in class products. Our commitment to high quality components, manufacturing processes, and testing ensures predictable performance every time.



Competitors non-certified, low cost cable.
Blurred, ghosted image.



L-com certified and tested cable.
Clear, crisp image.

HDMI® Certification

HDMI Licensing, LLC. is the governing body that controls the HDMI standards and sets forth specific performance criteria for HDMI products. In order to manufacture and market HDMI products legally, a manufacturer must be an active member and their products must pass rigorous testing to ensure optimal performance. Since 2009, L-com has been a member of the HDMI Licensing group to guarantee our customers receive only the highest quality HDMI products.

VESA Member

The Video Electronic Standards Associations (VESA) supports and sets industry-wide interface standards for the PC, workstation, and consumer electronics industries. As a member of VESA, L-com builds and certifies its products to the standards VESA governs ensuring our customers receive quality interoperable solutions.

L-com Global Connectivity



For more useful information go to....
L-com.com/Resources

Item #	Description	1-9	10-24	25-99	100-249	250-499

Premium HDMI® Male to Male Cable Assemblies - 30 Microinch Gold Plated Contacts

L-com's HDCAMM series HDMI cables offer a cost effective way to support myriad HDMI applications. Each cable is functionally tested to ensure top performance and features rugged over mold connectors, PVC jackets, and double shielding which protects your A/V signals from EMI/RFI. Available in six standard off the shelf lengths, these cables are perfect for all your HDMI applications. As an HDMI adopter, L-com's HDMI cables are certified by HDMI Licensing LLC. Custom cable lengths are available upon request.

HDCAMM-0.5	High Speed HDMI Cable with Ethernet, HDMI Male / HDMI Male, 0.5m	18.95	17.43	15.92	14.40	12.89
HDCAMM-1	High Speed HDMI Cable with Ethernet, HDMI Male / HDMI Male, 1.0m	22.95	21.11	19.28	17.44	15.61
HDCAMM-2	High Speed HDMI Cable with Ethernet, HDMI Male / HDMI Male, 2.0m	26.95	24.79	22.64	20.48	18.33
HDCAMM-3	High Speed HDMI Cable with Ethernet, HDMI Male / HDMI Male, 3.0m	30.95	28.47	26.00	23.52	21.05
HDCAMM-4	High Speed HDMI Cable with Ethernet, HDMI Male / HDMI Male, 4.0m	34.95	32.15	29.36	26.56	23.77
HDCAMM-5	High Speed HDMI Cable with Ethernet, HDMI Male / HDMI Male, 5.0m	38.95	35.83	32.72	29.60	26.49

Premium HDMI® Cable Assemblies w/Multiple Colored Connector Over Molds - 30µ Gold Plated Contacts

L-com offers an extensive line of high speed HDMI cables with Ethernet that feature different colored connector over molds. Color coding helps with visual identification of attached services/equipment. These color coded HDMI cables support all the latest HDMI features including 3D over HDMI and Ethernet Channel.



Ordering is easy, add the desired color code to the part number. EX: HDCABL-1

HDCA __-0.5	High Speed HDMI Cable with Ethernet, HDMI Male / HDMI Male, 0.5m	16.95	15.93	14.92	13.90	12.88
HDCA __-1	High Speed HDMI Cable with Ethernet, HDMI Male / HDMI Male, 1.0m	20.95	19.69	18.44	17.18	15.92
HDCA __-2	High Speed HDMI Cable with Ethernet, HDMI Male / HDMI Male, 2.0m	24.95	23.45	21.96	20.46	18.96
HDCA __-3	High Speed HDMI Cable with Ethernet, HDMI Male / HDMI Male, 3.0m	28.95	27.21	25.48	23.74	22.00
HDCA __-4	High Speed HDMI Cable with Ethernet, HDMI Male / HDMI Male, 4.0m	32.95	30.97	29.00	27.02	25.04
HDCA __-5	High Speed HDMI Cable with Ethernet, HDMI Male / HDMI Male, 5.0m	36.95	34.73	32.52	30.30	28.08

HDMI® Deluxe Male to Male Cable Assemblies - Gold Plated Contacts, Fully Shielded

L-com's CGHDMM series HDMI cable products offer a very cost effective way to support myriad HDMI applications.

CGHDMM-0.3	High Speed HDMI Cable with Ethernet, HDMI Male / HDMI Male, 0.3m	10.85	9.98	9.11	8.25	7.38
CGHDMM-0.5	High Speed HDMI Cable with Ethernet, HDMI Male / HDMI Male, 0.5m	11.45	10.53	9.62	8.70	7.79
CGHDMM-1	High Speed HDMI Cable with Ethernet, HDMI Male / HDMI Male, 1.0m	12.95	11.91	10.88	9.84	8.81
CGHDMM-2	High Speed HDMI Cable with Ethernet, HDMI Male / HDMI Male, 2.0m	15.95	14.67	13.40	12.12	10.85
CGHDMM-3	High Speed HDMI Cable with Ethernet, HDMI Male / HDMI Male, 3.0m	18.95	17.43	15.92	14.40	12.89
CGHDMM-4	High Speed HDMI Cable with Ethernet, HDMI Male / HDMI Male, 4.0m	21.95	20.19	18.44	16.68	14.93
CGHDMM-5	High Speed HDMI Cable with Ethernet, HDMI Male / HDMI Male, 5.0m	24.95	22.95	20.96	18.96	16.97

Metal or Plastic Armored HDMI® Cables with Ethernet

These unique cables feature a crush resistant jacket over our premium HDMI cable to provide protection in applications where standard cables would be damaged due to excessive force. Crush resistance is 1500 PSI (Pounds per Square Inch) for metal armored and 1000 PSI for plastic. Additional features include rugged over mold connectors, 30 microinch gold plated contacts and double shielding to protect A/V signals from EMI/RFI.

HDCAMT-0.5	Metal Armored HDMI Cable with Ethernet, HDMI Male / HDMI Male, 0.5m	27.95	26.83	25.71	23.76	20.96
HDCAMT-1	Metal Armored HDMI Cable with Ethernet, HDMI Male / HDMI Male, 1.0m	31.95	30.67	29.39	27.16	23.96
HDCAMT-2	Metal Armored HDMI Cable with Ethernet, HDMI Male / HDMI Male, 2.0m	39.95	38.35	36.75	33.96	29.96
HDCAMT-3	Metal Armored HDMI Cable with Ethernet, HDMI Male / HDMI Male, 3.0m	47.95	46.03	44.11	40.76	35.96
HDCAMT-4	Metal Armored HDMI Cable with Ethernet, HDMI Male / HDMI Male, 4.0m	55.95	53.71	51.47	47.56	41.96
HDCAMT-5	Metal Armored HDMI Cable with Ethernet, HDMI Male / HDMI Male, 5.0m	63.95	61.39	58.83	54.36	47.96
HDCAPL-0.5	Plastic Armored HDMI Cable with Ethernet, HDMI Male / HDMI Male, 0.5m	23.95	22.99	22.03	20.36	17.96
HDCAPL-1	Plastic Armored HDMI Cable with Ethernet, HDMI Male / HDMI Male, 1.0m	26.95	25.87	24.79	22.91	20.21
HDCAPL-2	Plastic Armored HDMI Cable with Ethernet, HDMI Male / HDMI Male, 2.0m	32.95	31.63	30.31	28.01	24.71
HDCAPL-3	Plastic Armored HDMI Cable with Ethernet, HDMI Male / HDMI Male, 3.0m	38.95	37.39	35.83	33.11	29.21
HDCAPL-4	Plastic Armored HDMI Cable with Ethernet, HDMI Male / HDMI Male, 4.0m	44.95	43.15	41.35	38.21	33.71
HDCAPL-5	Plastic Armored HDMI Cable with Ethernet, HDMI Male / HDMI Male, 5.0m	50.95	48.91	46.87	43.31	38.21

High Speed HDMI® Cable with Ethernet- Panel Mount HDMI® Female to Male

L-com's unique PMHDMF-XX series panel mount HDMI cable family features fully molded female HDMI panel mount connectors to address multiple panel and enclosure applications requiring HDMI connectivity. As an HDMI Adopter, L-com's HDMI cables are certified by HDMI Licensing LLC. to perform to the latest HDMI specification. These HDMI cable products support HDMI Ethernet Channel, Audio Return Channel, 3D over HDMI, 4K video, and additional color spaces. Additional features include rugged over mold connectors, PVC jackets, and double shielding which protects your A/V signals from EMI/RFI. Available in six off the shelf lengths, these cables are perfect for all your high speed HDMI applications.

PMHDMF-0.5	High Speed HDMI Cable with Ethernet, Male / Panel Mount Female, 0.5m	18.95	17.81	16.68	15.54	14.40
PMHDMF-1	High Speed HDMI Cable with Ethernet, Male / Panel Mount Female, 1.0m	22.95	21.57	20.20	18.82	17.44
PMHDMF-2	High Speed HDMI Cable with Ethernet, Male / Panel Mount Female, 2.0m	26.95	25.33	23.72	22.10	20.48
PMHDMF-3	High Speed HDMI Cable with Ethernet, Male / Panel Mount Female, 3.0m	30.95	29.09	27.24	25.38	23.52
PMHDMF-4	High Speed HDMI Cable with Ethernet, Male / Panel Mount Female, 4.0m	34.95	32.85	30.76	28.66	26.56
PMHDMF-5	High Speed HDMI Cable with Ethernet, Male / Panel Mount Female, 5.0m	38.95	36.61	34.28	31.94	29.60

HDMI® to Mini HDMI® Cable Assemblies

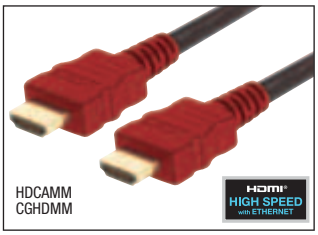
Our HDMI to Mini HDMI cables are perfect for connecting standard HDMI interfaces to Mini HDMI peripherals such as camcorders, displays and digital cameras. By utilizing these assemblies there is no need to purchase a separate standalone adapter.

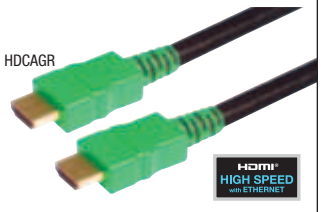
MHD-HD-0.5	HDMI Cable with Ethernet, HDMI Male / Mini HDMI Male, 0.5m	16.95	15.93	14.92	13.90	12.88
MHD-HD-1	HDMI Cable with Ethernet, HDMI Male / Mini HDMI Male, 1.0m	20.95	19.69	18.44	17.18	15.92
MHD-HD-2	HDMI Cable with Ethernet, HDMI Male / Mini HDMI Male, 2.0m	24.95	23.45	21.96	20.46	18.96
MHD-HD-3	HDMI Cable with Ethernet, HDMI Male / Mini HDMI Male, 3.0m	28.95	27.21	25.48	23.74	22.00
MHD-HD-4	HDMI Cable with Ethernet, HDMI Male / Mini HDMI Male, 4.0m	32.95	30.97	29.00	27.02	25.04
MHD-HD-5	HDMI Cable with Ethernet, HDMI Male / Mini HDMI Male, 5.0m	36.95	34.73	32.52	30.30	28.08

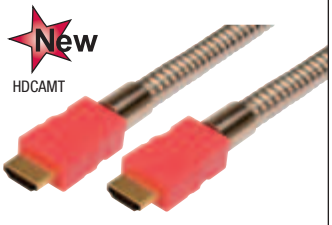
HDMI® Dust Covers- Male and Female

L-com's HDMI dust covers protect unused HDMI connectors on cable assemblies and HDMI receptacles on HDMI equipment including HDMI hubs, HDMI Extenders, HDMI splitters, and more! We offer both male and female HDMI dust covers in packages of 10.

CVRHD-M	HDMI Dust Cover, Male, Pkg/10	5.95	5.71	5.47	5.24	5.00
CVRHD-F	HDMI Dust Cover, Female, Pkg/10	5.95	5.71	5.47	5.24	5.00

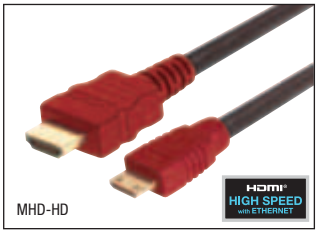


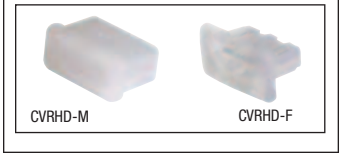








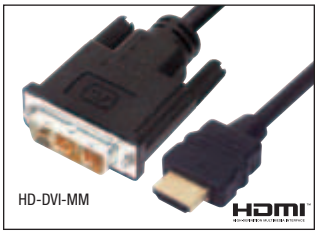




RoHS status information
listed online for every product.
L-com.com/RoHS

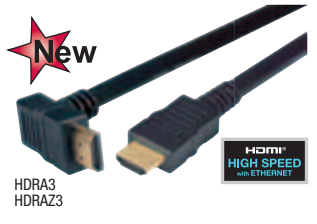
L-com Global Connectivity

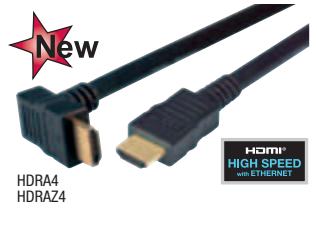


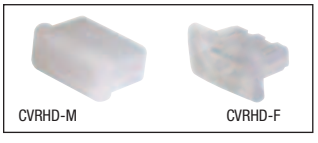












Item #	Description	1-9	10-24	25-99	100-249	250-499

L-com High Speed HDMI® Repeater Cable

L-com's new RHDCA series HDMI repeater cables extend the length of HDMI signals up to 20 meters (RHDCA-20) without the use of an external converter/booster. These unique HDMI repeater cables make A/V installations easy and aesthetically pleasing as the repeater module is built right into the connector over mold. These cables support High Speed HDMI which is designed to handle video resolutions of 1080p and beyond, including advanced display technologies like 3D and 4K.

RHDCA-10	High Speed HDMI Repeater Cable, Male / Male, 10.0m	99.95	97.95	95.95	93.95	91.95
RHDCA-12	High Speed HDMI Repeater Cable, Male / Male, 12.0m	110.00	107.80	105.60	103.40	101.20
RHDCA-15	High Speed HDMI Repeater Cable, Male / Male, 15.0m	120.00	117.60	115.20	112.80	110.40
RHDCA-20	High Speed HDMI Repeater Cable, Male / Male, 20.0m	135.00	132.30	129.60	126.90	124.20

HDMI® to DVI-D Cable Assemblies - Fully Molded

High Definition Multimedia Interface (HDMI) is the latest interface for the connection of audio/video equipment. HDMI is fully backwards compatible with DVI video signals. This series of cable allows connection of the digital video signal from a DVI-D interface to a HDMI interface. Available in 5 standard lengths from 1 to 5 meters

HD-DVI-MM-1	HDMI Cable, HDMI Male / DVI-D Male, Single Link, 1.0m	14.99	14.09	13.19	12.29	11.39
HD-DVI-MM-2	HDMI Cable, HDMI Male / DVI-D Male, Single Link, 2.0m	23.99	22.55	21.11	19.67	18.23
HD-DVI-MM-3	HDMI Cable, HDMI Male / DVI-D Male, Single Link, 3.0m	28.99	27.25	25.51	23.77	22.03
HD-DVI-MM-4	HDMI Cable, HDMI Male / DVI-D Male, Single Link, 4.0m	33.99	31.95	29.91	27.87	25.83
HD-DVI-MM-5	HDMI Cable, HDMI Male / DVI-D Male, Single Link, 5.0m	39.99	37.59	35.19	32.79	30.39

HDMI® Angled Cable Assemblies- PVC Jacket, 4 Exit Options Available

L-com's HDRA series cables are perfect for tight fit and confined space HDMI applications. These rugged cable assemblies feature a standard HDMI Male connector on one end and an angled HDMI Male connector on the other. These angled HDMI cables are designed for use in enclosures, cabinets or other confined spaces where standard HDMI connectors will not fit.

HDRA-0.5	High Speed HDMI Cable with Ethernet, Straight Male / Right Exit Male, 0.5m	18.95	17.81	16.68	15.54	14.40
HDRA-1	High Speed HDMI Cable with Ethernet, Straight Male / Right Exit Male, 1.0m	22.95	21.57	20.20	18.82	17.44
HDRA-2	High Speed HDMI Cable with Ethernet, Straight Male / Right Exit Male, 2.0m	26.95	25.33	23.72	22.10	20.48
HDRA-3	High Speed HDMI Cable with Ethernet, Straight Male / Right Exit Male, 3.0m	30.95	29.09	27.24	25.38	23.52
HDRA-5	High Speed HDMI Cable with Ethernet, Straight Male / Right Exit Male, 5.0m	38.95	36.61	34.28	31.94	29.60
HDRA2-0.5	High Speed HDMI Cable with Ethernet, Straight Male / Left Exit Male, 0.5m	18.95	17.81	16.68	15.54	14.40
HDRA2-1	High Speed HDMI Cable with Ethernet, Straight Male / Left Exit Male, 1.0m	22.95	21.57	20.20	18.82	17.44
HDRA2-2	High Speed HDMI Cable with Ethernet, Straight Male / Left Exit Male, 2.0m	26.95	25.33	23.72	22.10	20.48
HDRA2-4	High Speed HDMI Cable with Ethernet, Straight Male / Left Exit Male, 4.0m	34.95	32.85	30.76	28.66	26.56
HDRA2-5	High Speed HDMI Cable with Ethernet, Straight Male / Left Exit Male, 5.0m	38.95	36.61	34.28	31.94	29.60
HDRA3-0.5	High Speed HDMI Cable with Ethernet, Straight Male / Top Exit Male, 0.5m	18.95	17.81	16.68	15.54	14.40
HDRA3-1	High Speed HDMI Cable with Ethernet, Straight Male / Top Exit Male, 1.0m	22.95	21.57	20.20	18.82	17.44
HDRA3-2	High Speed HDMI Cable with Ethernet, Straight Male / Top Exit Male, 2.0m	26.95	25.33	23.72	22.10	20.48
HDRA3-3	High Speed HDMI Cable with Ethernet, Straight Male / Top Exit Male, 3.0m	30.95	29.09	27.24	25.38	23.52
HDRA3-4	High Speed HDMI Cable with Ethernet, Straight Male / Top Exit Male, 4.0m	34.95	32.85	30.76	28.66	26.56
HDRA3-5	High Speed HDMI Cable with Ethernet, Straight Male / Top Exit Male, 5.0m	38.95	36.61	34.28	31.94	29.60
HDRA4-0.5	High Speed HDMI Cable with Ethernet, Straight Male / Bottom Exit Male, 0.5m	18.95	17.81	16.68	15.54	14.40
HDRA4-1	High Speed HDMI Cable with Ethernet, Straight Male / Bottom Exit Male, 1.0m	22.95	21.57	20.20	18.82	17.44
HDRA4-2	High Speed HDMI Cable with Ethernet, Straight Male / Bottom Exit Male, 2.0m	26.95	25.33	23.72	22.10	20.48
HDRA4-3	High Speed HDMI Cable with Ethernet, Straight Male / Bottom Exit Male, 3.0m	30.95	29.09	27.24	25.38	23.52
HDRA4-4	High Speed HDMI Cable with Ethernet, Straight Male / Bottom Exit Male, 4.0m	34.95	32.85	30.76	28.66	26.56
HDRA4-5	High Speed HDMI Cable with Ethernet, Straight Male / Bottom Exit Male, 5.0m	38.95	36.61	34.28	31.94	29.60

HDMI® Angled Cable Assemblies- Low Smoke Zero Halogen Jacket

L-com's HDRA series Low Smoke Zero Halogen cables are perfect for tight fit and confined space HDMI applications.

HDRAZ-0.5	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Right Exit Male, 0.5m	20.95	19.69	18.44	17.18	15.92
HDRAZ-1	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Right Exit Male, 1.0m	24.95	23.45	21.96	20.46	18.96
HDRAZ-2	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Right Exit Male, 2.0m	28.95	27.21	25.48	23.74	22.00
HDRAZ-3	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Right Exit Male, 3.0m	32.95	30.97	29.00	27.02	25.04
HDRAZ-5	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Right Exit Male, 5.0m	40.95	38.49	36.04	33.58	31.12
HDRAZ2-0.5	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Left Exit Male, 0.5m	20.95	19.69	18.44	17.18	15.92
HDRAZ2-1	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Left Exit Male, 1.0m	24.95	23.45	21.96	20.46	18.96
HDRAZ2-2	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Left Exit Male, 2.0m	28.95	27.21	25.48	23.74	22.00
HDRAZ2-4	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Left Exit Male, 4.0m	36.95	34.73	32.52	30.30	28.08
HDRAZ2-5	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Left Exit Male, 5.0m	40.95	38.49	36.04	33.58	31.12
HDRAZ3-0.5	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Top Exit Male, 0.5m	20.95	19.69	18.44	17.18	15.92
HDRAZ3-1	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Top Exit Male, 1.0m	24.95	23.45	21.96	20.46	18.96
HDRAZ3-2	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Top Exit Male, 2.0m	28.95	27.21	25.48	23.74	22.00
HDRAZ3-3	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Top Exit Male, 3.0m	32.95	30.97	29.00	27.02	25.04
HDRAZ3-4	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Top Exit Male, 4.0m	36.95	34.73	32.52	30.30	28.08
HDRAZ3-5	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Top Exit Male, 5.0m	40.95	38.49	36.04	33.58	31.12
HDRAZ4-0.5	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Bottom Exit Male, 0.5m	20.95	19.69	18.44	17.18	15.92
HDRAZ4-1	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Bottom Exit Male, 1.0m	24.95	23.45	21.96	20.46	18.96
HDRAZ4-2	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Bottom Exit Male, 2.0m	28.95	27.21	25.48	23.74	22.00
HDRAZ4-3	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Bottom Exit Male, 3.0m	32.95	30.97	29.00	27.02	25.04
HDRAZ4-4	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Bottom Exit Male, 4.0m	36.95	34.73	32.52	30.30	28.08
HDRAZ4-5	High Speed HDMI LSZH Cable with Ethernet, Straight Male / Bottom Exit Male, 5.0m	40.95	38.49	36.04	33.58	31.12

HDMI® Dust Covers- Male and Female

L-com's HDMI dust covers protect unused HDMI connectors on cable assemblies and HDMI receptacles on HDMI equipment including HDMI hubs, HDMI Extenders, HDMI splitters, and more! We offer both male and female HDMI dust covers in packages of 10.

CVRHD-M	HDMI Dust Cover, Male, Pkg/10	5.95	5.71	5.47	5.24	5.00
CVRHD-F	HDMI Dust Cover, Female, Pkg/10	5.95	5.71	5.47	5.24	5.00

L-com® Global Connectivity

Running CTLB cable through 3/4" (1.9cm) conduit
See the free video tip and more at
L-com.com/Videos/A04

Item #	Description	1-9	10-24	25-99	100-249	250-499

DVI-D Angled Cable Assemblies

L-com's angled DVI cables are perfect for tight fit and confined space DVI applications. These rugged cable assemblies feature a standard, straight DVI connector on one end and an angled DVI connector on the other. Four angled options available for both Single Link and Dual Link. These right angle DVI cables are designed for use in enclosures, cabinets or other confined spaces where standard DVI connectors will not fit.

DVI-D Single Link Right Angle Cable Assemblies

DVIDS-RA-1	DVI-D Cable Single Link, Straight Male / Bottom Exit Male, 1.0ft (0.3m)	18.75	17.63	16.50	15.38	14.25
DVIDS-RA-3	DVI-D Cable Single Link, Straight Male / Bottom Exit Male, 3.0ft (0.9m)	20.50	19.27	18.04	16.81	15.58
DVIDS-RA-5	DVI-D Cable Single Link, Straight Male / Bottom Exit Male, 5.0ft (1.5m)	22.00	20.68	19.36	18.04	16.72
DVIDS-RA-10	DVI-D Cable Single Link, Straight Male / Bottom Exit Male, 10.0ft (30.m)	25.75	24.20	22.66	21.12	19.57
DVIDS-RA-15	DVI-D Cable Single Link, Straight Male / Bottom Exit Male, 15.0ft (4.6m)	30.00	28.20	26.40	24.60	22.80
DVIDS-RA2-1	DVI-D Cable Single Link, Straight Male / Top Exit Male, 1.0ft (0.3m)	18.75	17.63	16.50	15.38	14.25
DVIDS-RA2-3	DVI-D Cable Single Link, Straight Male / Top Exit Male, 3.0ft (0.9m)	20.50	19.27	18.04	16.81	15.58
DVIDS-RA2-5	DVI-D Cable Single Link, Straight Male / Top Exit Male, 5.0ft (1.5m)	22.00	20.68	19.36	18.04	16.72
DVIDS-RA2-10	DVI-D Cable Single Link, Straight Male / Top Exit Male, 10.0ft (30.m)	25.75	24.20	22.66	21.12	19.57
DVIDS-RA2-15	DVI-D Cable Single Link, Straight Male / Top Exit Male, 15.0ft (4.6m)	30.00	28.20	26.40	24.60	22.80
DVIDS-RA3-1	DVI-D Cable Single Link, Straight Male / Left Exit Male, 1.0ft (0.3m)	18.75	17.63	16.50	15.38	14.25
DVIDS-RA3-3	DVI-D Cable Single Link, Straight Male / Left Exit Male, 3.0ft (0.9m)	20.50	19.27	18.04	16.81	15.58
DVIDS-RA3-5	DVI-D Cable Single Link, Straight Male / Left Exit Male, 5.0ft (1.5m)	22.00	20.68	19.36	18.04	16.72
DVIDS-RA3-10	DVI-D Cable Single Link, Straight Male / Left Exit Male, 10.0ft (30.m)	25.75	24.20	22.66	21.12	19.57
DVIDS-RA3-15	DVI-D Cable Single Link, Straight Male / Left Exit Male, 15.0ft (4.6m)	30.00	28.20	26.40	24.60	22.80
DVIDS-RA4-1	DVI-D Cable Single Link, Straight Male / Right Exit Male, 1.0ft (0.3m)	18.75	17.63	16.50	15.38	14.25
DVIDS-RA4-3	DVI-D Cable Single Link, Straight Male / Right Exit Male, 3.0ft (0.9m)	20.50	19.27	18.04	16.81	15.58
DVIDS-RA4-5	DVI-D Cable Single Link, Straight Male / Right Exit Male, 5.0ft (1.5m)	22.00	20.68	19.36	18.04	16.72
DVIDS-RA4-10	DVI-D Cable Single Link, Straight Male / Right Exit Male, 10.0ft (30.m)	25.75	24.20	22.66	21.12	19.57
DVIDS-RA4-15	DVI-D Cable Single Link, Straight Male / Right Exit Male, 15.0ft (4.6m)	30.00	28.20	26.40	24.60	22.80

DVI-D Dual Link Right Angle Cable Assemblies

DVIDD-RA-1	DVI-D Cable Dual Link, Straight Male / Bottom Exit Male, 1.0ft (0.3m)	23.25	21.86	20.46	19.07	17.67
DVIDD-RA-3	DVI-D Cable Dual Link, Straight Male / Bottom Exit Male, 3.0ft (0.9m)	26.00	24.44	22.88	21.32	19.76
DVIDD-RA-5	DVI-D Cable Dual Link, Straight Male / Bottom Exit Male, 5.0ft (1.5m)	28.75	27.02	25.30	23.58	21.85
DVIDD-RA-10	DVI-D Cable Dual Link, Straight Male / Bottom Exit Male, 10.0ft (3.0m)	35.50	33.37	31.24	29.11	26.98
DVIDD-RA-15	DVI-D Cable Dual Link, Straight Male / Bottom Exit Male, 15.0ft (4.6m)	42.75	40.18	37.62	35.05	32.49
DVIDD-RA2-1	DVI-D Cable Dual Link, Straight Male / Top Exit Male, 1.0ft (0.3m)	23.25	21.86	20.46	19.07	17.67
DVIDD-RA2-3	DVI-D Cable Dual Link, Straight Male / Top Exit Male, 3.0ft (0.9m)	26.00	24.44	22.88	21.32	19.76
DVIDD-RA2-5	DVI-D Cable Dual Link, Straight Male / Top Exit Male, 5.0ft (1.5m)	28.75	27.02	25.30	23.58	21.85
DVIDD-RA2-10	DVI-D Cable Dual Link, Straight Male / Top Exit Male, 10.0ft (3.0m)	35.50	33.37	31.24	29.11	26.98
DVIDD-RA2-15	DVI-D Cable Dual Link, Straight Male / Top Exit Male, 15.0ft (4.6m)	42.75	40.18	37.62	35.05	32.49
DVIDD-RA3-1	DVI-D Cable Dual Link, Straight Male / Left Exit Male, 1.0ft (0.3m)	23.25	21.86	20.46	19.07	17.67
DVIDD-RA3-3	DVI-D Cable Dual Link, Straight Male / Left Exit Male, 3.0ft (0.9m)	26.00	24.44	22.88	21.32	19.76
DVIDD-RA3-5	DVI-D Cable Dual Link, Straight Male / Left Exit Male, 5.0ft (1.5m)	28.75	27.02	25.30	23.58	21.85
DVIDD-RA3-10	DVI-D Cable Dual Link, Straight Male / Left Exit Male, 10.0ft (3.0m)	35.50	33.37	31.24	29.11	26.98
DVIDD-RA3-15	DVI-D Cable Dual Link, Straight Male / Left Exit Male, 15.0ft (4.6m)	42.75	40.18	37.62	35.05	32.49
DVIDD-RA4-1	DVI-D Cable Dual Link, Straight Male / Right Exit Male, 1.0ft (0.3m)	23.25	21.86	20.46	19.07	17.67
DVIDD-RA4-3	DVI-D Cable Dual Link, Straight Male / Right Exit Male, 3.0ft (0.9m)	26.00	24.44	22.88	21.32	19.76
DVIDD-RA4-5	DVI-D Cable Dual Link, Straight Male / Right Exit Male, 5.0ft (1.5m)	28.75	27.02	25.30	23.58	21.85
DVIDD-RA4-10	DVI-D Cable Dual Link, Straight Male / Right Exit Male, 10.0ft (3.0m)	35.50	33.37	31.24	29.11	26.98
DVIDD-RA4-15	DVI-D Cable Dual Link, Straight Male / Right Exit Male, 15.0ft (4.6m)	42.75	40.18	37.62	35.05	32.49

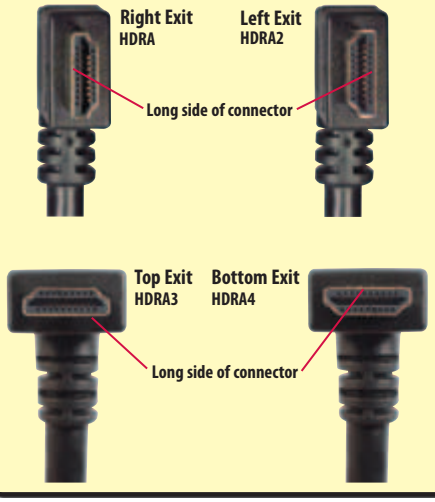
Tip

Defining angled cable assemblies

Angled connector hoods help connect cables in tight places. L-com now offers four options each for HDMI and DVI style connectors. The photos below detail the connector position relative to the cable entry direction.

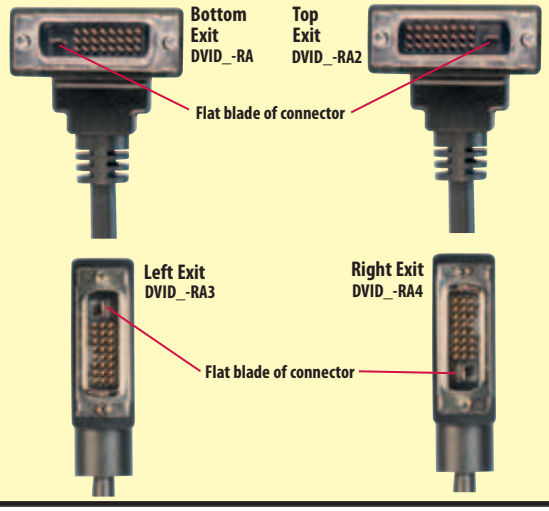
HDMI Style Connectors

For HDMI style connectors, the position of the connector's long side is key in determining the correct angle for your application.

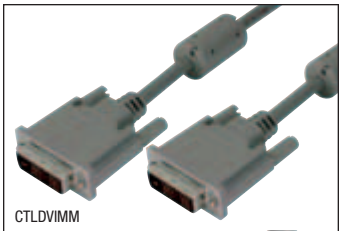


DVI Style Connectors

For DVI style connectors, both Single Link and Dual Link types, the flat blade of the connector is key in determining the correct angle for your application.






CTLDVIMM



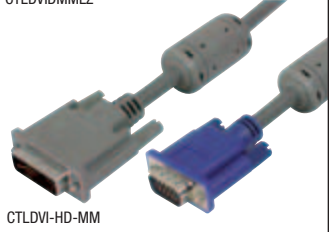
CGDVIMM

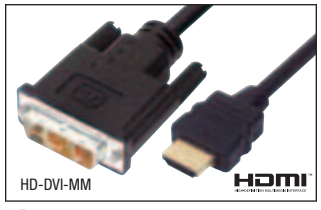


CGDVI-DL-MM


CTLDVIMMLZ


CTLDVIDMMLZ


CTLDVI-HD-MM



HD-DVI-MM


CVRDVI-F CVRDVI-M

Item #	Description	1-9	10-24	25-99	100-249	250-499

DVI Products

DVI (Digital Video Interface) is a widely used interface specifically designed for the transmission of digital video signals. L-com's DVI cable assemblies and adapters are offered in various interface combinations and gender configurations to address a broad range of connection applications.

Premium DVI Cable Assemblies - Fully Molded with Ferrites - 30 Microinches Gold Plated Contacts

This series of DVI cable assemblies features a molded integrated ferrite on both ends for EMI/RFI protection and a fully molded and shielded backshell. Offered in 4 standard lengths not exceeding the recommended 5 meter maximum for DVI cables.

Premium DVI-D Single Link Cable Assemblies with Ferrites

CTLDVIMM-3	DVI Cable, DVI-D Single Link, Male / Male, 3.0ft (0.9m)	20.95	19.27	17.60	15.92	14.25
CTLDVIMM-5	DVI Cable, DVI-D Single Link, Male / Male, 5.0ft (1.5m)	22.95	21.11	19.28	17.44	15.61
CTLDVIMM-10	DVI Cable, DVI-D Single Link, Male / Male, 10.0ft (3.0m)	27.95	25.71	23.48	21.24	19.01
CTLDVIMM-15	DVI Cable, DVI-D Single Link, Male / Male, 15.0ft (4.6m)	32.95	30.31	27.68	25.04	22.41

Premium DVI-D Dual Link Cable Assemblies with Ferrites - 30 Microinches Gold Plated Contacts

CTLDVI-DL-MM-3	DVI Cable, DVI-D Dual Link, Male / Male, 3.0ft (0.9m)	28.95	26.63	24.32	22.00	19.69
CTLDVI-DL-MM-5	DVI Cable, DVI-D Dual Link, Male / Male, 5.0ft (1.5m)	30.95	28.47	26.00	23.52	21.05
CTLDVI-DL-MM-10	DVI Cable, DVI-D Dual Link, Male / Male, 10.0ft (3.0m)	35.95	33.07	30.20	27.32	24.45
CTLDVI-DL-MM-15	DVI Cable, DVI-D Dual Link, Male / Male, 15.0ft (4.6m)	40.95	37.67	34.40	31.12	27.85

Deluxe DVI-D Single Link Cable Assemblies - Dual Ferrite Beads, Gold Plated Contacts

L-com's Deluxe DVI-D DVI cable assemblies offer high performance at a very affordable price.

CGDVIMM-1	DVI-D Cable Single Link, Male / Male, 1.0ft (0.3m)	10.95	10.07	9.20	8.32	7.45
CGDVIMM-3	DVI-D Cable Single Link, Male / Male, 3.0ft (0.9m)	12.95	11.91	10.88	9.84	8.81
CGDVIMM-5	DVI-D Cable Single Link, Male / Male, 5.0ft (1.5m)	14.95	13.75	12.56	11.36	10.17
CGDVIMM-10	DVI-D Cable Single Link, Male / Male, 10.0ft (3.0m)	19.95	18.35	16.76	15.16	13.57
CGDVIMM-15	DVI-D Cable Single Link, Male / Male, 15.0ft (4.6m)	24.95	22.95	20.96	18.96	16.97

Deluxe DVI-D Dual Link Cable Assemblies - Dual Ferrite Beads, Gold Plated Contacts

CGDVI-DL-MM-1	DVI-D Cable Dual Link, Male / Male, 1.0ft (0.3m)	15.95	14.67	13.40	12.12	10.85
CGDVI-DL-MM-3	DVI-D Cable Dual Link, Male / Male, 3.0ft (0.9m)	17.95	16.51	15.08	13.64	12.21
CGDVI-DL-MM-5	DVI-D Cable Dual Link, Male / Male, 5.0ft (1.5m)	19.95	18.35	16.76	15.16	13.57
CGDVI-DL-MM-10	DVI-D Cable Dual Link, Male / Male, 10.0ft (3.0m)	24.95	22.95	20.96	18.96	16.97
CGDVI-DL-MM-15	DVI-D Cable Dual Link, Male / Male, 15.0ft (4.6m)	29.95	27.55	25.16	22.76	20.37

Premium DVI-I Single Link Cable Assemblies with Ferrites

CTLDVI-ISL-MM-3	DVI Cable, DVI-I Single Link, Male / Male, 3.0ft (0.9m)	16.61	15.28	13.95	12.62	11.29
CTLDVI-ISL-MM-5	DVI Cable, DVI-I Single Link, Male / Male, 5.0ft (1.5m)	18.26	16.80	15.34	13.88	12.42
CTLDVI-ISL-MM-10	DVI Cable, DVI-I Single Link, Male / Male, 10.0ft (3.0m)	22.21	20.43	18.66	16.88	15.10
CTLDVI-ISL-MM-15	DVI Cable, DVI-I Single Link, Male / Male, 15.0ft (4.6m)	26.21	24.11	22.02	19.92	17.82

Premium DVI-I Dual Link Cable Assemblies with Ferrites

CTLDVI-I-MM-3	DVI Cable, DVI-I Dual Link, Male / Male, 3.0ft (0.9m)	18.34	16.87	15.41	13.94	12.47
CTLDVI-I-MM-5	DVI Cable, DVI-I Dual Link, Male / Male, 5.0ft (1.5m)	20.76	19.10	17.44	15.78	14.12
CTLDVI-I-MM-10	DVI Cable, DVI-I Dual Link, Male / Male, 10.0ft (3.0m)	26.71	24.57	22.44	20.30	18.16
CTLDVI-I-MM-15	DVI Cable, DVI-I Dual Link, Male / Male, 15.0ft (4.6m)	32.66	30.05	27.43	24.82	22.21

Premium DVI-D Single Link LSZH Cable Assemblies with Ferrites

CTLDVIMMLZ-3	DVI LSZH Cable, DVI-D Single Link, Male / Male, 3.0ft (0.9m)	15.95	14.99	14.04	13.08	12.12
CTLDVIMMLZ-5	DVI LSZH Cable, DVI-D Single Link, Male / Male, 5.0ft (1.5m)	17.95	16.87	15.80	14.72	13.64
CTLDVIMMLZ-10	DVI LSZH Cable, DVI-D Single Link, Male / Male, 10.0ft (3.0m)	22.95	21.57	20.20	18.82	17.44
CTLDVIMMLZ-15	DVI LSZH Cable, DVI-D Single Link, Male / Male, 15.0ft (4.6m)	27.95	26.27	24.60	22.92	21.24

Premium DVI-D Dual Link LSZH Cable Assemblies with Ferrites

CTLDVIDMMLZ-3	DVI LSZH Cable, DVI-D Dual Link, Male / Male, 3.0ft (0.9m)	22.95	21.57	20.20	18.82	17.44
CTLDVIDMMLZ-5	DVI LSZH Cable, DVI-D Dual Link, Male / Male, 5.0ft (1.5m)	26.95	25.33	23.72	22.10	20.48
CTLDVIDMMLZ-10	DVI LSZH Cable, DVI-D Dual Link, Male / Male, 10.0ft (3.0m)	36.95	34.73	32.52	30.30	28.08
CTLDVIDMMLZ-15	DVI LSZH Cable, DVI-D Dual Link, Male / Male, 15.0ft (4.6m)	46.95	44.13	41.32	38.50	35.68

DVI-A to HD15 Cable Assemblies with Ferrites

CTLDVI-HD-MM-3	DVI Cable, DVI-A to HD15, Male / Male, 3.0ft (0.9m)	14.95	13.75	12.56	11.36	10.17
CTLDVI-HD-MM-5	DVI Cable, DVI-A to HD15, Male / Male, 5.0ft (1.5m)	16.95	15.59	14.24	12.88	11.53
CTLDVI-HD-MM-10	DVI Cable, DVI-A to HD15, Male / Male, 10.0ft (3.0m)	20.95	19.27	17.60	15.92	14.25
CTLDVI-HD-MM-15	DVI Cable, DVI-A to HD15, Male / Male, 15.0ft (4.6m)	25.95	23.87	21.80	19.72	17.65

HDMI® to DVI-D Cable Assemblies - Fully Molded

High Definition Multimedia Interface (HDMI) is the latest interface for the connection of audio/video equipment. HDMI is fully backwards compatible with DVI video signals. This series of cable allows connection of the digital video signal from a DVI-D interface to a HDMI interface. Available in 5 standard lengths from 1 to 5 meters

HD-DVI-MM-1	HDMI Cable, HDMI Male / DVI-D Male, Single Link, 1.0m	14.99	14.09	13.19	12.29	11.39
HD-DVI-MM-2	HDMI Cable, HDMI Male / DVI-D Male, Single Link, 2.0m	23.99	22.55	21.11	19.67	18.23
HD-DVI-MM-3	HDMI Cable, HDMI Male / DVI-D Male, Single Link, 3.0m	28.99	27.25	25.51	23.77	22.03
HD-DVI-MM-4	HDMI Cable, HDMI Male / DVI-D Male, Single Link, 4.0m	33.99	31.95	29.91	27.87	25.83
HD-DVI-MM-5	HDMI Cable, HDMI Male / DVI-D Male, Single Link, 5.0m	39.99	37.59	35.19	32.79	30.39

DVI Dust Covers - Male and Female

L-com's DVI dust covers protect unused DVI connectors on cable assemblies and DVI receptacles on DVI equipment including DVI KVM switches, DVI Extenders, DVI splitters, and more! We offer both male and female DVI dust covers in packages of 10.

CVRDVI-M	DVI Dust Cover, Male, Pkg/10	5.95	5.71	5.47	5.24	5.00
CVRDVI-F	DVI Dust Cover, Female, Pkg/10	5.95	5.71	5.47	5.24	5.00

L-com® Global Connectivity

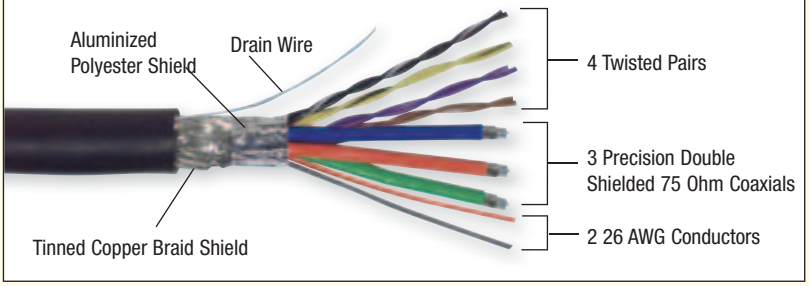
Connect with L-com Global Connectivity

L-com vs. Our Competitors

Superior performance requires superior construction. The features beneath the surface are the reason many OEMs have chosen L-com as a key supplier of critical cabling. Superior connector termination utilizing an all steel box provides 360° shielding and reliable strain relief.

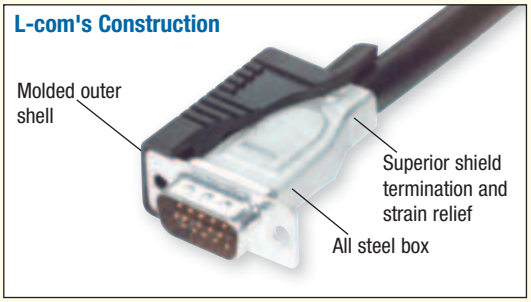
The bulk cable is double shielded and utilizes 3 mini true 75 Ohm coaxial lines for unmatched video performance. Available on L-com CTL premium and deluxe cable assemblies.

CTL3VGA / CGSVGA Cable Makeup

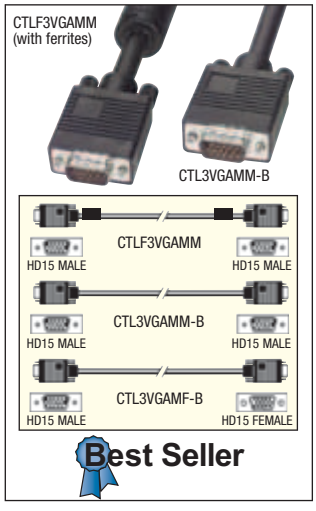


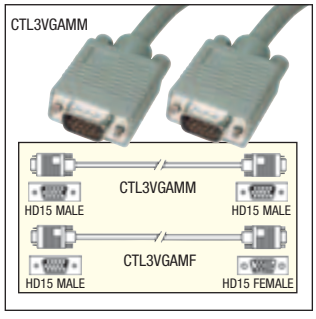
A cutaway view of one of L-com's premium cables

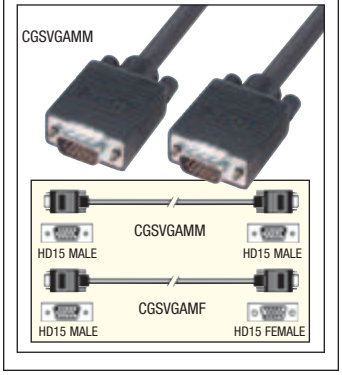
L-com's Construction



Item #	Description	#Coax	1-9	10-24	25-99	100-249	250-499
Premium Grade Black SVGA Cables - HD15M to HD15M with Coaxial Inners and Ferrites							
Premium video assemblies utilize coaxial and twisted pair signal lines plus ferrite cores on either end for optimum video performance.							
CTLF3VGAMM-5	SVGA Cable, HD15 Male / Male with Ferrites, 5.0ft (1.5m)	3	32.00	30.72	29.44	28.16	26.88
CTLF3VGAMM-10	SVGA Cable, HD15 Male / Male with Ferrites, 10.0ft (3.0m)	3	42.00	40.32	38.64	36.96	35.28
CTLF3VGAMM-25	SVGA Cable, HD15 Male / Male with Ferrites, 25.0ft (7.6m)	3	72.00	69.12	66.24	63.36	60.48
CTLF3VGAMM-50	SVGA Cable, HD15 Male / Male with Ferrites, 50.0ft (15.2m)	3	122.00	117.12	112.24	107.36	102.48
CTLF3VGAMM-100	SVGA Cable, HD15 Male / Male with Ferrites, 100.0ft (30.5m)	3	222.00	213.12	204.24	195.36	186.48
CTLF3VGAMM-200	SVGA Cable, HD15 Male / Male with Ferrites, 200.0ft (61.0m)	3	422.00	405.12	388.24	371.36	354.48
Premium Grade Black SVGA Cables - HD15M to HD15M with Coaxial Inners							
Premium video assemblies utilize coaxial and twisted pair signal lines for low loss of signal.							
CTL3VGAMM-3B	SVGA Cable, HD15 Male / Male, 3.0ft (0.9m)	3	21.00	19.74	18.48	17.22	15.96
CTL3VGAMM-5B	SVGA Cable, HD15 Male / Male, 5.0ft (1.5m)	3	24.00	22.56	21.12	19.68	18.24
CTL3VGAMM-10B	SVGA Cable, HD15 Male / Male, 10.0ft (3.0m)	3	31.50	29.61	27.72	25.83	23.94
CTL3VGAMM-20B	SVGA Cable, HD15 Male / Male, 20.0ft (6.1m)	3	46.50	43.71	40.92	38.13	35.34
CTL3VGAMM-25B	SVGA Cable, HD15 Male / Male, 25.0ft (7.6m)	3	54.00	50.76	47.52	44.28	41.04
CTL3VGAMM-50B	SVGA Cable, HD15 Male / Male, 50.0ft (15.2m)	3	91.50	86.01	80.52	75.03	69.54
CTL3VGAMM-100B	SVGA Cable, HD15 Male / Male, 100.0ft (30.5m)	3	166.50	156.51	146.52	136.53	126.54
CTL3VGAMM-150B	SVGA Cable, HD15 Male / Male, 150.0ft (15.2m)	3	241.50	227.01	212.52	198.03	183.54
CTL3VGAMM-200B	SVGA Cable, HD15 Male / Male, 200.0ft (61.0m)	3	316.50	297.51	278.52	259.53	240.54
Premium Grade Black SVGA Extension Cables - HD15M to HD15F with Coaxial Inners							
CTL3VGAMF-5B	SVGA Extension Cable, HD15 Male / Female, 5.0ft (1.5m)	3	24.00	22.56	21.12	19.68	18.24
CTL3VGAMF-10B	SVGA Extension Cable, HD15 Male / Female, 10.0ft (3.0m)	3	31.50	29.61	27.72	25.83	23.94
CTL3VGAMF-20B	SVGA Extension Cable, HD15 Male / Female, 20.0ft (6.1m)	3	46.50	43.71	40.92	38.13	35.34
CTL3VGAMF-25B	SVGA Extension Cable, HD15 Male / Female, 25.0ft (7.6m)	3	54.00	50.76	47.52	44.28	41.04
CTL3VGAMF-50B	SVGA Extension Cable, HD15 Male / Female, 50.0ft (15.2m)	3	91.50	86.01	80.52	75.03	69.54
CTL3VGAMF-75B	SVGA Extension Cable, HD15 Male / Female, 75.0ft (22.9m)	3	129.00	121.26	113.52	105.78	98.04
CTL3VGAMF-100B	SVGA Extension Cable, HD15 Male / Female, 100.0ft (30.5m)	3	166.50	156.51	146.52	136.53	126.54
CTL3VGAMF-150B	SVGA Extension Cable, HD15 Male / Female, 150.0ft (45.7m)	3	241.50	227.01	212.52	198.03	183.54
Premium Grade Gray SVGA Cables - HD15M to HD15M or HD15M to HD15F with Coaxial Inners							
These premium cables mate with high resolution color monitors and workstations with HD15 D-Sub connectors. High efficiency coaxial wiring is featured to support critical color lines. All molded construction, fully shielded throughout. OEM quantity pricing and special lengths upon request. Color: Gray.							
CTL3VGAMM-3	SVGA Cable, HD15 Male / Male, 3.0ft (0.9m)	3	26.95	24.79	22.64	20.48	18.33
CTL3VGAMM-5	SVGA Cable, HD15 Male / Male, 5.0ft (1.5m)	3	28.95	26.63	24.32	22.00	19.69
CTL3VGAMM-10	SVGA Cable, HD15 Male / Male, 10.0ft (3.0m)	3	33.95	31.23	28.52	25.80	23.09
CTL3VGAMF-5	SVGA Extension Cable, HD15 Male / Female, 5.0ft (1.5m)	3	28.95	26.63	24.32	22.00	19.69
CTL3VGAMF-10	SVGA Extension Cable, HD15 Male / Female, 10.0ft (3.0m)	3	33.95	31.23	28.52	25.80	23.09
CTL3VGAMF-25	SVGA Extension Cable, HD15 Male / Female, 25.0ft (7.6m)	3	48.95	45.03	41.12	37.20	33.29
Standard Grade Black SVGA Cable Assemblies - HD15M to HD15M or HD15M to HD15F							
L-com's new competitively priced standard grade SVGA cables feature three 75 Ohm coaxial cables to assure high quality video signal transmission. Fully molded backshells provide durability and long life expectancy. These rugged RoHS compliant assemblies are available in standard off the shelf lengths from 3 to 50 feet.							
CGSVGAMM-3	SVGA Cable, HD15 Male / Male, 3.0ft (0.9m)	3	10.99	10.11	9.23	8.35	7.47
CGSVGAMM-5	SVGA Cable, HD15 Male / Male, 5.0ft (1.5m)	3	11.99	11.03	10.07	9.11	8.15
CGSVGAMM-10	SVGA Cable, HD15 Male / Male, 10.0ft (3.0m)	3	18.79	17.29	15.78	14.28	12.78
CGSVGAMM-20	SVGA Cable, HD15 Male / Male, 20.0ft (6.1m)	3	32.00	29.44	26.88	24.32	21.76
CGSVGAMM-25	SVGA Cable, HD15 Male / Male, 25.0ft (7.6m)	3	35.00	32.20	29.40	26.60	23.80
CGSVGAMM-50	SVGA Cable, HD15 Male / Male, 50.0ft (15.2m)	3	68.99	63.47	57.95	52.43	46.91
CGSVGAMF-3	SVGA Cable, HD15 Male / Female, 3.0ft (0.9m)	3	11.20	10.30	9.41	8.51	7.62
CGSVGAMF-5	SVGA Cable, HD15 Male / Female, 5.0ft (1.5m)	3	12.20	11.22	10.25	9.27	8.30
CGSVGAMF-10	SVGA Cable, HD15 Male / Female, 10.0ft (3.0m)	3	19.05	17.53	16.00	14.48	12.95
CGSVGAMF-20	SVGA Cable, HD15 Male / Female, 20.0ft (6.1m)	3	33.33	30.66	28.00	25.33	22.66
CGSVGAMF-25	SVGA Cable, HD15 Male / Female, 25.0ft (7.6m)	3	35.49	32.65	29.81	26.97	24.13
CGSVGAMF-50	SVGA Cable, HD15 Male / Female, 50.0ft (15.2m)	3	69.19	63.65	58.12	52.58	47.05









To see our entire product offering
go to...L-com.com

L-com® Global Connectivity

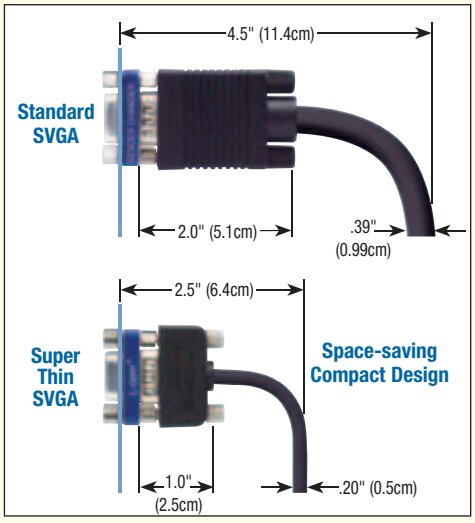
Super Thin SVGA is Ideal for Tight Fitting Spaces

The Super Thin SVGA series offers comparable performance of standard size SVGA assemblies in a much more compact size. Not only is the cable diameter greatly reduced but the depth of the HD15 backshell is also much more shallow than the backshells found on most SVGA assemblies. This results in a SVGA assembly that can be used in tight confines where a standard size SVGA assembly would be difficult if not impossible to use.

An additional feature of this series is reversible hardware allowing either panel mount using standoffs or traditional thumbscrews. The combined results of these features is a product series that is both compact and versatile. These features can be utilized to solve many difficult installation problems without sacrificing performance.

The Super Thin small profile construction is also utilized on our SVGA with disconnect series and our low profile KVM cables.

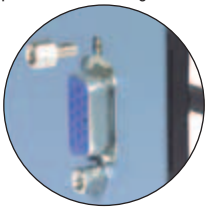
Note: All dimensions are for reference only.



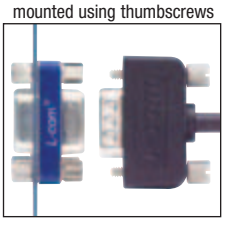


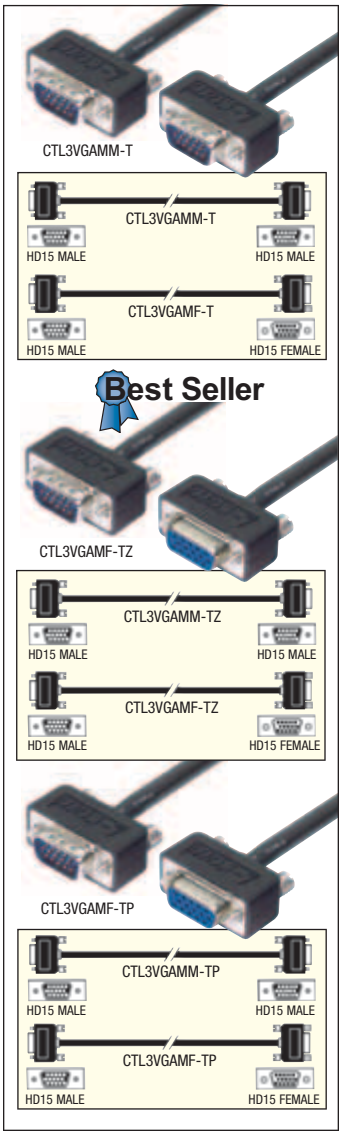
Reversible Hardware

Detail of female end being panel mounted using standoffs



Detail of male end being mounted using thumbscrews





Item #	Description	#Coax	1-9	10-24	25-99	100-249	250-499

Super Thin SVGA Cables with 3 Mini Coaxial Lines - HD15M to HD15M or HD15F

Utilize a revolutionary cable made with 3 ultra thin coaxial lines and still measures less than .23" in diameter. Another unique feature is user defined mounting hardware. Each cable end is capable of being connected with either male jack screws or hex standoffs with the supplied hardware! Color: Black.

CTL3VGAMM-5T	Super Thin SVGA Cable, HD15 Male / Male, 5.0ft (1.5m)	3	30.00	28.20	26.40	24.60	22.80
CTL3VGAMM-10T	Super Thin SVGA Cable, HD15 Male / Male, 10.0ft (3.0m)	3	37.50	35.25	33.00	30.75	28.50
CTL3VGAMM-15T	Super Thin SVGA Cable, HD15 Male / Male, 15.0ft (4.6m)	3	45.00	42.30	39.60	36.90	34.20
CTL3VGAMM-25T	Super Thin SVGA Cable, HD15 Male / Male, 25.0ft (7.6m)	3	60.00	56.40	52.80	49.20	45.60
CTL3VGAMM-50T	Super Thin SVGA Cable, HD15 Male / Male, 50.0ft (15.2m)	3	97.50	91.65	85.80	79.95	74.10
CTL3VGAMF-5T	Super Thin SVGA Cable, HD15 Male / Female, 5.0ft (1.5m)	3	30.00	28.20	26.40	24.60	22.80
CTL3VGAMF-10T	Super Thin SVGA Cable, HD15 Male / Female, 10.0ft (3.0m)	3	37.50	35.25	33.00	30.75	28.50
CTL3VGAMF-15T	Super Thin SVGA Cable, HD15 Male / Female, 15.0ft (4.6m)	3	45.00	42.30	39.60	36.90	34.20
CTL3VGAMF-25T	Super Thin SVGA Cable, HD15 Male / Female, 25.0ft (7.6m)	3	60.00	56.40	52.80	49.20	45.60
CTL3VGAMF-50T	Super Thin SVGA Cable, HD15 Male / Female, 50.0ft (15.2m)	3	97.50	91.65	85.80	79.95	74.10

LSZH Jacket Super Thin SVGA Cables – HD15M to HD15M or HD15F Cable Assembly

This series of SVGA cables features both our small diameter Super Thin cable and our LSZH jacket for applications where low smoke is critical. An additional feature of this series is our reversible hardware allowing both panel mount using standoffs or traditional thumbscrews. High quality video signal transmission is assured as a result of the three 75 Ohm coaxial lines used in these premium SVGA assemblies. The low profile configuration of our fully molded HD15 backshell makes these assemblies ideal for tight fit installations. Available in 5 standard lengths from 5 to 50 feet.

CTL3VGAMM-5TZ	Super Thin LSZH SVGA Cable, HD15 Male / Male, 5.0ft (1.5m)	3	46.00	43.24	40.48	37.72	34.96
CTL3VGAMM-10TZ	Super Thin LSZH SVGA Cable, HD15 Male / Male, 10.0ft (3.0m)	3	61.00	57.34	53.68	50.02	46.36
CTL3VGAMM-15TZ	Super Thin LSZH SVGA Cable, HD15 Male / Male, 15.0ft (4.6m)	3	76.00	71.44	66.88	62.32	57.76
CTL3VGAMM-25TZ	Super Thin LSZH SVGA Cable, HD15 Male / Male, 25.0ft (7.6m)	3	106.00	99.64	93.28	86.92	80.56
CTL3VGAMM-50TZ	Super Thin LSZH SVGA Cable, HD15 Male / Male, 50.0ft (15.2m)	3	181.00	170.14	159.28	148.42	137.56
CTL3VGAMF-5TZ	Super Thin LSZH SVGA Cable, HD15 Male / Female, 5.0ft (1.5m)	3	46.00	43.24	40.48	37.72	34.96
CTL3VGAMF-10TZ	Super Thin LSZH SVGA Cable, HD15 Male / Female, 10.0ft (3.0m)	3	61.00	57.34	53.68	50.02	46.36
CTL3VGAMF-15TZ	Super Thin LSZH SVGA Cable, HD15 Male / Female, 15.0ft (4.6m)	3	76.00	71.44	66.88	62.32	57.76
CTL3VGAMF-25TZ	Super Thin LSZH SVGA Cable, HD15 Male / Female, 25.0ft (7.6m)	3	106.00	99.64	93.28	86.92	80.56
CTL3VGAMF-50TZ	Super Thin LSZH SVGA Cable, HD15 Male / Female, 50.0ft (15.2m)	3	181.00	170.14	159.28	148.42	137.56

Plenum Jacket Super Thin SVGA Cables - HD15M to HD15M or HD15F

This series is identical to our Super Thin SVGA cables with one important exception, the cable outer jacket and HD15 connector backshell overmold are made from CMP grade plenum material. Color: Black.

CTL3VGAMM-5TP	Super Thin Plenum SVGA Cable, HD15 Male / Male, 5.0ft (1.5m)	3	80.00	78.40	76.80	75.20	73.60
CTL3VGAMM-10TP	Super Thin Plenum SVGA Cable, HD15 Male / Male, 10.0ft (3.0m)	3	130.00	127.40	124.80	122.20	119.60
CTL3VGAMM-15TP	Super Thin Plenum SVGA Cable, HD15 Male / Male, 15.0ft (4.6m)	3	180.00	176.40	172.80	169.20	165.60
CTL3VGAMM-25TP	Super Thin Plenum SVGA Cable, HD15 Male / Male, 25.0ft (7.6m)	3	280.00	274.40	268.80	263.20	257.60
CTL3VGAMM-50TP	Super Thin Plenum SVGA Cable, HD15 Male / Male, 50.0ft (15.2m)	3	530.00	519.40	508.80	498.20	487.60
CTL3VGAMF-5TP	Super Thin Plenum SVGA Cable, HD15 Male / Female, 5.0ft (1.5m)	3	80.00	78.40	76.80	75.20	73.60
CTL3VGAMF-10TP	Super Thin Plenum SVGA Cable, HD15 Male / Female, 10.0ft (3.0m)	3	130.00	127.40	124.80	122.20	119.60
CTL3VGAMF-15TP	Super Thin Plenum SVGA Cable, HD15 Male / Female, 15.0ft (4.6m)	3	180.00	176.40	172.80	169.20	165.60
CTL3VGAMF-25TP	Super Thin Plenum SVGA Cable, HD15 Male / Female, 25.0ft (7.6m)	3	280.00	274.40	268.80	263.20	257.60
CTL3VGAMF-50TP	Super Thin Plenum SVGA Cable, HD15 Male / Female, 50.0ft (15.2m)	3	530.00	519.40	508.80	498.20	487.60

Use the CTLB series cable for running through 3/4" (1.9cm) conduit

Online Video
L-com.com/videos/A04



Feed socket end through conduit (3/4" min. dia.) into destination outlet.



Slip shrinkable tubing onto cable, mate the breakaway connector matching alignment arrows and secure.

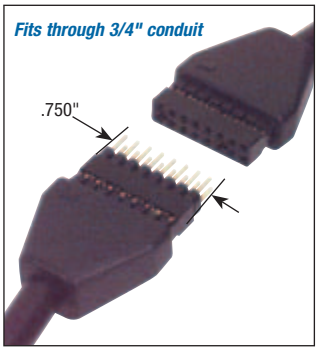


Attach pre-terminated HD15 connector to faceplate and attach to outlet.

Best Seller


CTLB3VGAMM-T
CTLB3VGAMM-TZ
CTLB3VGAMM-TP


CTLB3VGAMF-T



Item #	Description	#Coax	1-9	10-24	25-99	100-249	250-499

SVGA Cables with Low Profile Disconnect Feature - HD15 Male to HD15 Male or HD15 Female

Now there is a solution to your difficult installation problems. A fully populated DDC compliant assembly with HD15 male/male or male/female connectors utilizing our Super Thin cable, reversible hardware plus a low profile break connector. The low profile break connector's small size (.75" wide) allows routing through 3/4" (1.9cm) conduit and through tight spaces that would not accommodate the size of a HD15 connector. Color: Black.

CTLB3VGAMM-15T	Super Thin SVGA Cable, HD15 Male / Male, 15.0ft (4.6m)	3	70.00	63.00	56.00	49.00	42.00
CTLB3VGAMM-20T	Super Thin SVGA Cable, HD15 Male / Male, 20.0ft (6.1m)	3	80.00	72.00	64.00	56.00	48.00
CTLB3VGAMM-25T	Super Thin SVGA Cable, HD15 Male / Male, 25.0ft (7.6m)	3	90.00	81.00	72.00	63.00	54.00
CTLB3VGAMM-50T	Super Thin SVGA Cable, HD15 Male / Male, 50.0ft (15.24m)	3	140.00	126.00	112.00	98.00	84.00
CTLB3VGAMM-75T	Super Thin SVGA Cable, HD15 Male / Male, 75.0ft (22.9m)	3	190.00	171.00	152.00	133.00	114.00
CTLB3VGAMF-15T	Super Thin SVGA Cable, HD15 Male / Female, 15.0ft (4.6m)	3	70.00	63.00	56.00	49.00	42.00
CTLB3VGAMF-20T	Super Thin SVGA Cable, HD15 Male / Female, 20.0ft (6.1m)	3	80.00	75.20	70.40	65.60	60.80
CTLB3VGAMF-25T	Super Thin SVGA Cable, HD15 Male / Female, 25.0ft (7.6m)	3	90.00	81.00	72.00	63.00	54.00
CTLB3VGAMF-50T	Super Thin SVGA Cable, HD15 Male / Female, 50.0ft (15.24m)	3	140.00	126.00	112.00	98.00	84.00
CTLB3VGAMF-75T	Super Thin SVGA Cable, HD15 Male / Female, 75.0ft (22.9m)	3	190.00	171.00	152.00	133.00	114.00

LSZH Jacket SVGA Cables with Low Profile Disconnect Feature - HD15 Male to HD15 Male

This series features a fully populated DDC compliant assembly with (2) low profile HD15 male connectors and our low smoke zero halogen Super Thin cable. An additional feature is our unique user defined mounting hardware plus a low profile break connector which allows routing through 3/4" (1.9cm) conduit and other tight spaces. Offered in standard lengths with a 1 foot lead in length to the low profile connector.

CTLB3VGAMM-15TZ	Super Thin LSZH SVGA Cable, HD15 Male / Male, 15.0ft (4.6m)	3	85.00	79.90	74.80	69.70	64.60
CTLB3VGAMM-20TZ	Super Thin LSZH SVGA Cable, HD15 Male / Male, 20.0ft (6.1m)	3	100.00	94.00	88.00	82.00	76.00
CTLB3VGAMM-25TZ	Super Thin LSZH SVGA Cable, HD15 Male / Male, 25.0ft (7.6m)	3	115.00	108.10	101.20	94.30	87.40
CTLB3VGAMM-50TZ	Super Thin LSZH SVGA Cable, HD15 Male / Male, 50.0ft (15.24m)	3	190.00	178.60	167.20	155.80	144.40
CTLB3VGAMM-75TZ	Super Thin LSZH SVGA Cable, HD15 Male / Male, 75.0ft (22.9m)	3	265.00	249.10	233.20	217.30	201.40

Plenum Jacket VGA Cables with Low Profile Disconnect Feature - HD15 Male to HD 15 Male

This VGA cable series features a fully populated DDC compliant assembly with (2) low profile HD15 male connectors and our CMP plenum rated Super Thin cable. An additional feature of this series is our unique user defined mounting hardware plus a low profile break connector. The low profile disconnect connector's small size allows routing through 3/4" conduit and other tight spaces that would not accommodate the size of a HD15 connector.

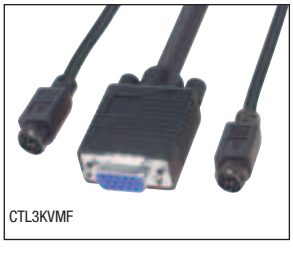
CTLB3VGAMM-15TP	Super Thin Plenum SVGA Cable, HD15 Male / Male, 15.0ft (4.6m)	3	225.00	220.50	216.00	211.50	207.00
CTLB3VGAMM-25TP	Super Thin Plenum SVGA Cable, HD15 Male / Male, 25.0ft (7.6m)	3	325.00	318.50	312.00	305.50	299.00
CTLB3VGAMM-50TP	Super Thin Plenum SVGA Cable, HD15 Male / Male, 50.0ft (15.24m)	3	575.00	563.50	552.00	540.50	529.00
CTLB3VGAMM-75TP	Super Thin Plenum SVGA Cable, HD15 Male / Male, 75.0ft (22.9m)	3	825.00	808.50	792.00	775.50	759.00

KVM Cables - Integrate HD15 Video and 2 Mini DIN 6 Keyboard and Mouse Lines in One

The CTL3KVM series combines a HD15 (video) cable with two Mini DIN 6 (keyboard and mouse) lines into one assembly. Available in male-male genders for interconnection between a KVM switch and CPU or male-female for connecting between a CPU and the keyboard, monitor and mouse. Color: Black.

CTL3KVMM-3	KVM Cable, Male / Male, 3.0ft (0.9m)	47.70	45.79	43.88	41.98	40.07
CTL3KVMM-5	KVM Cable, Male / Male, 5.0ft (1.5m)	51.50	49.44	47.38	45.32	43.26
CTL3KVMM-7.5	KVM Cable, Male / Male, 7.5 ft (2.3cm)	56.25	54.00	51.75	49.50	47.25
CTL3KVMM-10	KVM Cable, Male / Male, 10.0ft (3.0m)	61.00	58.56	56.12	53.68	51.24
CTL3KVMM-20	KVM Cable, Male / Male, 20.0ft (6.1m)	80.00	76.80	73.60	70.40	67.20
CTL3KVMM-25	KVM Cable, Male / Male, 25.0ft (7.6m)	89.50	85.92	82.34	78.76	75.18
CTL3KVMM-50	KVM Cable, Male / Male, 50.0ft (15.24m)	137.00	131.52	126.04	120.56	115.08
CTL3KVMM-100	KVM Cable, Male / Male, 100.0ft (30.5m)	232.00	222.72	213.44	204.16	194.88
CTL3KVMF-3	KVM Cable, Male / Female, 3.0ft (0.9m)	49.70	47.71	45.72	43.74	41.75
CTL3KVMF-5	KVM Cable, Male / Female, 5.0ft (1.5m)	53.50	51.36	49.22	47.08	44.94
CTL3KVMF-7.5	KVM Cable, Male / Female, 7.5 ft (2.3cm)	58.25	55.92	53.59	51.26	48.93
CTL3KVMF-10	KVM Cable, Male / Female, 10.0ft (3.0m)	63.00	60.48	57.96	55.44	52.92
CTL3KVMF-20	KVM Cable, Male / Female, 20.0ft (6.1m)	82.00	78.72	75.44	72.16	68.88
CTL3KVMF-25	KVM Cable, Male / Female, 25.0ft (7.6m)	91.50	87.84	84.18	80.52	76.86
CTL3KVMF-50	KVM Cable, Male / Female, 50.0ft (15.24m)	139.00	133.44	127.88	122.32	116.76
CTL3KVMF-100	KVM Cable, Male / Female, 100.0ft (30.5m)	234.00	224.64	215.28	205.92	196.56


CTL3KVMM

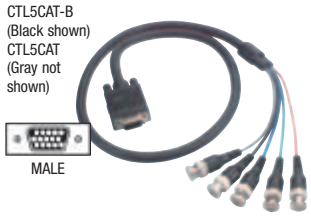

CTL3KVMF

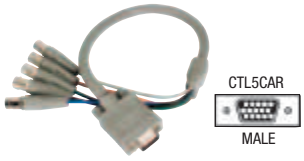
Tip *When do you use Plenum Cable?*

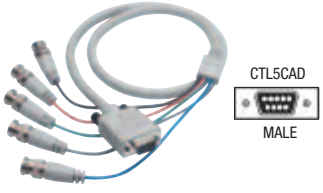
In building construction, the space used for air circulation (heating and air conditioning) is called the plenum. This space is also commonly used to route communications cable. This poses a serious hazard in the event of fire due to lack of barriers to contain the smoke and flames. This is why various fire codes and the National Electrical Code (NEC) require the use of fire resistant and low smoke producing cable in these areas. This type of cable is called plenum cable which is made with a fire retardant compound that exhibits self extinguishing characteristics.

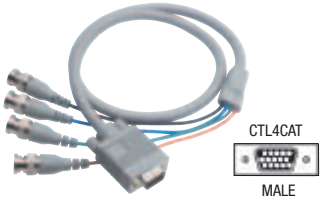
Running CTLB cable through 3/4" (1.9cm) conduit
See the free video tip and more at
L-com.com/Videos/A04

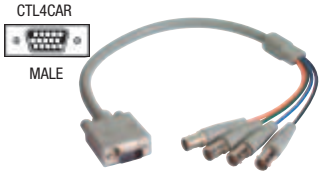
L-com Global Connectivity











Item #	Description	#Coax	1-9	10-24	25-99	100-249	250-499

Premium Grade Black SVGA Breakout Cables - HD15M to 5 BNC Plugs

This is our best quality VGA cable. It makes use of the most comprehensive shielding to minimize the amount of RF radiation that may escape through the cable. Five 75 Ohm miniature coaxials have a durable double shield composed of aluminum mylar and a copper braid; and another double shield composed of aluminum mylar and copper braid over the 5 coaxials. The connector shell has a full metal shell which is fully over-molded. There is just no better VGA cable made. Color: Black. **Note:** HD15 connections: Pin #1 Red, 2 Green, 3 Blue, 13 Horizontal, 14 Vertical. All shields terminate to pins 5 thru 10. No connection pins 4, 9, 11, 12 and 15.

CTL5CAT-3B	SVGA Breakout Cable, HD15 Male / 5 BNC Male, 3.0ft (0.9m)	5	33.65	30.96	28.27	25.57	22.88
CTL5CAT-6B	SVGA Breakout Cable, HD15 Male / 5 BNC Male, 6.0ft (1.8m)	5	39.95	36.75	33.56	30.36	27.17
CTL5CAT-6BF	SVGA Breakout Cable, HD15 Male / 5 BNC Male with Ferrite, 6.0ft (1.8m)	5	42.35	38.96	35.57	32.19	28.80
CTL5CAT-12B	SVGA Breakout Cable, HD15 Male / 5 BNC Male, 12.0ft (3.6m)	5	52.55	48.35	44.14	39.94	35.73

Premium Grade Gray SVGA Breakout Cables - HD15M to 5 BNC Plugs

We offer five 75 Ohm Slimline coaxial cables with Male BNC terminations. They have easily identified colored cables: Red, Green, Blue and Black/White for Vertical/Horizontal use. The other end terminates to a High Density 15 pin D-Sub connector. Color: Gray. **Note:** HD15 connections: Pin #1 Red, 2 Green, 3 Blue, 13 Horizontal, 14 Vertical. All shields terminate to pins 5 thru 10. No connection pins 4, 9, 11, 12 and 15.

CTL5CAT-3	SVGA Breakout Cable, HD15 Male / 5 BNC Male, 3.0ft (0.9m)	5	33.65	30.96	28.27	25.57	22.88
CTL5CAT-6	SVGA Breakout Cable, HD15 Male / 5 BNC Male, 6.0ft (1.8m)	5	39.95	36.75	33.56	30.36	27.17
CTL5CAT-6F	SVGA Breakout Cable, HD15 Male / 5 BNC Male with Ferrite, 6.0ft (1.8m)	5	42.35	38.96	35.57	32.19	28.80

Premium Grade Gray SVGA Breakout Extension Cables - HD15M to 5 BNC Jacks

Note: HD15 connections: Pin #1 Red, 2 Green, 3 Blue, 13 Horizontal, 14 Vertical. All shields terminate to pins 5 thru 10. No connection pins 4, 9, 11, 12 and 15.

CTL5CAR-1.5	SVGA Breakout Ext. Cable, HD15 Male / 5 BNC Female, 1.5ft (0.5m)	5	33.65	30.96	28.27	25.57	22.88

Premium Grade Gray SVGA Breakout Cable - DB9M to 4 BNC Plugs

Note: DB9 connections: Pin #1 Red, 2 Green, 3 Blue, 4 Black, 6, 7, 8 and 9 Common Wired Shields.

CTL4CAD-6	SVGA Breakout Cable, DB9 Male / 4 BNC Male, 6.0ft (1.8m)	4	29.40	27.05	24.70	22.34	19.99

Premium Grade Gray SVGA Breakout Cables - DB9M to 5 BNC Plugs

We offer five 75 Ohm Slimline coaxial cables with Male BNC terminations. Color coded for easy identification: Red, Green, Blue and Black/White for Vertical/Horizontal use. The other end terminates to a male 9-pin D-Sub connector. Molded strain relief provided. Color: Gray. **Note:** DB9 connections: Pin #1 Red, 2 Green, 3 Blue, 4 Horizontal, 5 Vertical and 6-9 Common Ground.

CTL5CAD-3	SVGA Breakout Cable, DB9 Male / 5 BNC Male, 3.0ft (0.9m)	5	27.25	25.07	22.89	20.71	18.53
CTL5CAD-6	SVGA Breakout Cable, DB9 Male / 5 BNC Male, 6.0ft (1.8m)	5	32.50	29.90	27.30	24.70	22.10
CTL5CAD-6F	SVGA Breakout Cable, DB9 Male / 5 BNC Male, 6.0ft (1.8m)	5	34.90	32.11	29.32	26.52	23.73

Premium Grade Gray SVGA Breakout Cables - HD15M to 4 BNC Plugs

Four 75 Ohm Slimline coaxial cables with Male BNC terminations. Color coded coaxials in Red, Green and Blue for easy identification. The other end terminates to a High Density 15 pin D-Sub connector. Optionally available with built-in Ferrite on the 6ft (1.8m) cable. All cables molded for long life. Color: Gray. **Note:** HD15 connections: Pin #1 Red, 2 Green, 3 Blue, 13 Horizontal. All shields terminate to common pins 5, 6, 7, 8 and 10. No connection pins 4, 9, 11, 12, 14 and 15.

CTL4CAT-3	SVGA Breakout Cable, HD15 Male / 4 BNC Male, 3.0ft (0.9m)	4	28.20	25.94	23.69	21.43	19.18
CTL4CAT-6	SVGA Breakout Cable, HD15 Male / 4 BNC Male, 6.0ft (1.8m)	4	32.40	29.81	27.22	24.62	22.03
CTL4CAT-6F	SVGA Breakout Cable, HD15 Male / 4 BNC Male, with Ferrite, 6.0ft (1.8m)	4	34.80	32.02	29.23	26.45	23.66

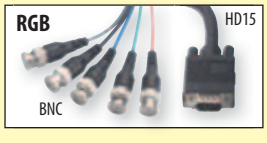
Premium Grade Gray SVGA Breakout Extension Cable - HD15M to 4 BNC Jacks

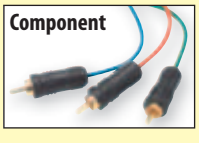
Note: HD15 connections: Pin #1 Red, 2 Green, 3 Blue, 13 Sync. All shields terminate to pins 5 thru 10.

CTL4CAR-1.5	SVGA Breakout Ext. Cable, HD15 Male / 4 BNC Female, 1.5ft (0.5m)	4	28.30	26.04	23.77	21.51	19.24

Tip *Video signal transmission*

Video images are transmitted across cables in a variety of ways. From a single coaxial cable (even non coaxial cable in some cases) to the use of as many as 5 coaxial lines to transmit the video image. Basically, the more the video signal is broken down by the use of more transmission lines into individual components, the better the video image.The following is a progressive list on commonly used video signal transmission methods:











Red, Green, Blue (RGB): This method uses 3 to 5 coaxial lines with BNC style connectors or HD15 interface. The video signal is split into three primary colors, Red, Green, Blue with separate lines often used for control signals. This method produces an extremely high quality video image.

Component: Three coaxial lines are used in this method with RCA style connectors. Black and White information is carried on one coaxial line while color differential signals are carried on the two remaining coaxial lines. This method produces a very high quality video image.

S-Video (SVHS): This method utilizes two coaxial lines contained within one outer jacket with a Mini DIN 4 circular connector. One coaxial line carries the Black and White information; the second coaxial line carries all the color information. This method produces a high quality video image.

Composite: A single coaxial line with an RCA connector carries both the Black and White as well as the color signal. This method produces a relatively good quality video image.

RF Video: A single coaxial line with a Type F connector. It produces the lowest quality video image of all the interface types.

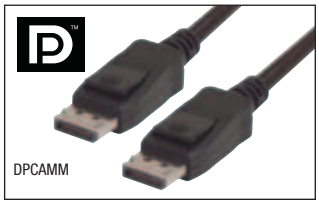
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Understanding cable flammability ratings
See the free video tip and more at
L-com.com/Videos/A20

DisplayPort High Definition Audio/Video Cables

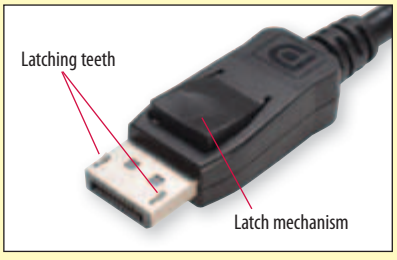
L-com's DisplayPort cables offer a single cable solution providing high definition digital audio and video for computing displays, graphic cards and laptops. DisplayPort replaces DVI and VGA cables and is the new digital display standard for PC computing. It is the HDMI equivalent for computers and provides a simple and easy connection for both high definition digital audio and video.

Item #	Description	1-9	10-24	25-99	100-249	250-499
DPCAMM-0.5	DisplayPort Cable Assembly, Male / Male, 0.5m	23.95	22.99	22.03	21.08	20.12
DPCAMM-1	DisplayPort Cable Assembly, Male / Male, 1.0m	25.95	24.91	23.87	22.84	21.80
DPCAMM-2	DisplayPort Cable Assembly, Male / Male, 2.0m	29.95	28.75	27.55	26.36	25.16
DPCAMM-3	DisplayPort Cable Assembly, Male / Male, 3.0m	33.95	32.59	31.23	29.88	28.52
DPCAMM-4	DisplayPort Cable Assembly, Male / Male, 4.0m	37.95	36.43	34.91	33.40	31.88
DPCAMM-5	DisplayPort Cable Assembly, Male / Male, 5.0m	41.95	40.27	38.59	36.92	35.24
DPCAMM-10	DisplayPort Cable Assembly, Male / Male, 10.0m	61.95	59.47	56.99	54.52	52.04
DPCAMM-15	DisplayPort Cable Assembly, Male / Male, 15.0m	81.95	78.67	75.39	72.12	68.84



Tip What is DisplayPort?

DisplayPort, like HDMI, is a newer digital display connection capable of producing high resolution images as well as high quality audio signals. DisplayPort is typically used when connecting a computer to a monitor. The connector also features a latching mechanism to prevent the plugs from being unintentionally detached.




DisplayPort Plug


DisplayPort Jack

DisplayPort Panel Mount Adapter (Female DP to Female DP)

L-com's DP-FF is a versatile panel mount DisplayPort feed-thru adapter that makes connecting DisplayPort cables through a panel or enclosure a snap. This DisplayPort adapter features two removable 4-40 jackscrews for easy panel mounting.

DP-FF	DisplayPort Panel Mount Adapter, Female / Female	17.95	17.59	17.23	16.87	16.51


DP-FF

DisplayPort to HDMI® Adapter

This plug and play DisplayPort to HDMI adapter is perfect for upgrading to the newer digital DisplayPort A/V technology. Simply plug in the DisplayPort connecter to a PC or Laptop and the other end into an HDMI enabled display/monitor and you are up and running.

DP-HD-ADPT	DisplayPort to HDMI Adapter, HDMI Female / DisplayPort Male	21.95	21.51	21.07	20.63	20.19


DP-HD-ADPT

DisplayPort to HDMI® Adapter Cable, 7.25" (18.4cm) Long

These plug and play DisplayPort to HDMI adapters are perfect for upgrading to the newer digital DisplayPort A/V technology. Simply plug in the DisplayPort connecter to a PC or Laptop and the other end into an HDMI enabled display/monitor and you are up and running.

DP-HD-CBL	DisplayPort to HDMI Adapter Cable, HDMI Female / DisplayPort Male	26.95	26.41	25.87	25.33	24.79



DP-HD-CBL

DisplayPort to DVI Adapter

This plug and play DisplayPort to DVI adapter is perfect for upgrading to the newer digital DisplayPort A/V technology. Simply plug in the DisplayPort connecter to a PC or Laptop and the other end into a DVI enabled display/monitor and you are up and running.

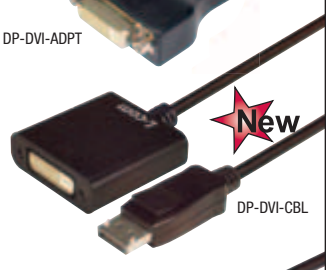
DP-DVI-ADPT	DisplayPort to DVI Adapter, DVI Female / DisplayPort Male	21.95	21.51	21.07	20.63	20.19


DP-DVI-ADPT

DisplayPort to DVI Adapter Cable, 7.25" (18.4cm) Long

These plug and play DisplayPort to DVI adapters are perfect for upgrading to the newer digital DisplayPort A/V technology. Simply plug in the DisplayPort connecter to a PC or Laptop and the other end into an DVI enabled display/monitor and you are up and running.

DP-DVI-CBL	DisplayPort to DVI Adapter Cable, DVI Female / DisplayPort Male	26.95	26.41	25.87	25.33	24.79



DP-DVI-CBL

DisplayPort to SVGA Adapter Cable, 8.45" (21.5cm) Long

These plug and play DisplayPort to VGA adapters are perfect for upgrading to the newer digital DisplayPort A/V technology. Simply plug in the DisplayPort connecter to a PC or Laptop and the other end into an VGA enabled display/monitor and you are up and running.

DP-SVGA-CBL	DisplayPort to SVGA Adapter Cable, SVGA Female / DisplayPort Male	29.95	29.35	28.75	28.15	27.55



DP-SVGA-CBL

Enhanced Video Connector (EVC or P&D) Cable Assemblies

The Video Electronics Standards Association (VESA) established a standard for advanced high bandwidth/high resolution monitors. It's called EVC, which stands for Enhanced Video Connector. Also known as P&D (Plug & Display), this standard was designed for higher bandwidth video transmission exceeding 2 GHz. It also utilizes connections for multimedia devices via Universal Serial Bus (USB), IEEE-1394 and Display Data Channel (DDC) pins inherent in the connector.

EVC Male to EVC Male, Fully Populated, Molded Cable Assembly

CTLEVCMM-5	EVC Cable, Male / Male, 5.0ft (1.5m)	104.00	101.92	99.84	97.76	95.68
CTLEVCMM-10	EVC Cable, Male / Male, 10.0ft (3.0m)	116.50	114.17	111.84	109.51	107.18
CTLEVCMM-15	EVC Cable, Male / Male, 15.0ft (4.6m)	129.00	126.42	123.84	121.26	118.68
CTLEVCMM-25	EVC Cable, Male / Male, 25.0ft (7.6m)	154.00	150.92	147.84	144.76	141.68
CTLEVCMM-50	EVC Cable, Male / Male, 50.0ft (15.24m)	259.00	253.82	248.64	243.46	238.28


CTLEVCMM

Same day shipping
Orders placed before 4:00 EST
ship the same day.

L-com® Global Connectivity

Tip — How to tame the RGB, Component, S-Video, Composite beast

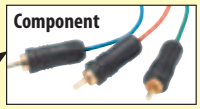
Color video signal is transmitted across a wide variety of transmission medias. Below is an illustration of how they work with each other.



Red + Black and White
Green + Black and White
Blue + Black and White

Color and black and white information is combined and transmitted across multiple lines

A converter is needed to separate the color signals from the black and white signals so that it can be transmitted across any one of these medias.



Black and White
Color
Color



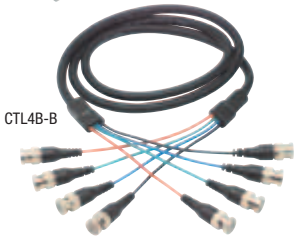
Black and White
Color

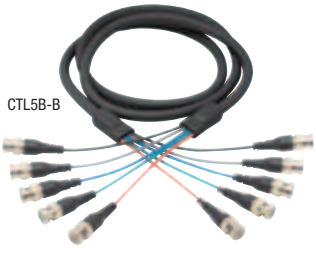


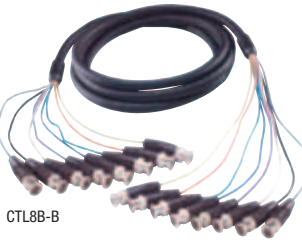
Color + Black and White

Once the RGB signal is separated into color and black and white elements, interconnection between Component, S-Video and Composite is possible without the use of a converter.

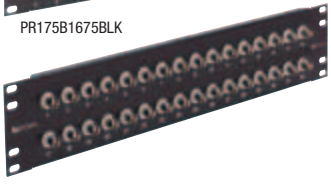

CTL3B-B


CTL4B-B


CTL5B-B


CTL8B-B


PR175B1675BLK


PR35B3275BLK

Item #	Description	#Coax	1-9	10-24	25-99	100-249	250-499
Premium 3 Line Coaxial Cable with BNC Plugs							
These extraordinary low loss coaxials are particularly suitable for transmission of RGB signals over extended distances without worry of signal deterioration or crosstalk. Each individual Slimline coaxial has a 75 Ohm impedance and a full shield coverage comprised of a copper braid and mylar shield. Coaxial colors are Red, Green, Blue, Black and Gray. Outer appearance is Black including molded strain reliefs.							
CTL3B-5B	Premium Multi-Coaxial Cable, 3 BNC Male / Male, 5.0ft (1.5m)	3	21.75	20.01	18.27	16.53	14.79
CTL3B-7.5B	Premium Multi-Coaxial Cable, 3 BNC Male / Male, 7.5ft (2.3m)	3	25.15	23.14	21.13	19.11	17.10
CTL3B-10B	Premium Multi-Coaxial Cable, 3 BNC Male / Male, 10.0ft (3.0m)	3	28.50	26.22	23.94	21.66	19.38
CTL3B-15B	Premium Multi-Coaxial Cable, 3 BNC Male / Male, 15.0ft (4.6m)	3	35.25	32.43	29.61	26.79	23.97
CTL3B-25B	Premium Multi-Coaxial Cable, 3 BNC Male / Male, 25.0ft (7.6m)	3	48.75	44.85	40.95	37.05	33.15
CTL3B-50B	Premium Multi-Coaxial Cable, 3 BNC Male / Male, 50.0ft (15.24m)	3	82.50	75.90	69.30	62.70	56.10
Premium 4 Line Coaxial Cable with BNC Plugs							
CTL4B-5B	Premium Multi-Coaxial Cable, 4 BNC Male / Male, 5.0ft (1.5m)	4	26.50	24.38	22.26	20.14	18.02
CTL4B-7.5B	Premium Multi-Coaxial Cable, 4 BNC Male / Male, 7.5ft (2.3m)	4	30.75	28.29	25.83	23.37	20.91
CTL4B-10B	Premium Multi-Coaxial Cable, 4 BNC Male / Male, 10.0ft (3.0m)	4	35.00	32.20	29.40	26.60	23.80
CTL4B-15B	Premium Multi-Coaxial Cable, 4 BNC Male / Male, 15.0ft (4.6m)	4	43.50	40.02	36.54	33.06	29.58
CTL4B-25B	Premium Multi-Coaxial Cable, 4 BNC Male / Male, 25.0ft (7.6m)	4	60.50	55.66	50.82	45.98	41.14
CTL4B-50B	Premium Multi-Coaxial Cable, 4 BNC Male / Male, 50.0ft (15.24m)	4	103.00	94.76	86.52	78.28	70.04
Premium 5 Line Coaxial Cable with BNC Plugs							
CTL5B-5B	Premium Multi-Coaxial Cable, 5 BNC Male / Male, 5.0ft (1.5m)	5	31.50	28.98	26.46	23.94	21.42
CTL5B-7.5B	Premium Multi-Coaxial Cable, 5 BNC Male / Male, 7.5ft (2.3m)	5	36.75	33.81	30.87	27.93	24.99
CTL5B-10B	Premium Multi-Coaxial Cable, 5 BNC Male / Male, 10.0ft (3.0m)	5	42.00	38.64	35.28	31.92	28.56
CTL5B-15B	Premium Multi-Coaxial Cable, 5 BNC Male / Male, 15.0ft (4.6m)	5	52.50	48.30	44.10	39.90	35.70
CTL5B-25B	Premium Multi-Coaxial Cable, 5 BNC Male / Male, 25.0ft (7.6m)	5	73.50	67.62	61.74	55.86	49.98
CTL5B-50B	Premium Multi-Coaxial Cable, 5 BNC Male / Male, 50.0ft (15.24m)	5	126.00	115.92	105.84	95.76	85.68
Premium 8 Line Coaxial Cable with BNC Plugs							
CTL8B-5B	Premium Multi-Coaxial Cable, 8 BNC Male / Male, 5.0ft (1.5m)	8	75.00	70.50	66.00	61.50	57.00
CTL8B-7.5B	Premium Multi-Coaxial Cable, 8 BNC Male / Male, 7.5ft (2.3m)	8	80.00	75.20	70.40	65.60	60.80
CTL8B-10B	Premium Multi-Coaxial Cable, 8 BNC Male / Male, 10.0ft (3.0m)	8	85.00	79.90	74.80	69.70	64.60
CTL8B-15B	Premium Multi-Coaxial Cable, 8 BNC Male / Male, 15.0ft (4.6m)	8	95.00	89.30	83.60	77.90	72.20
CTL8B-20B	Premium Multi-Coaxial Cable, 8 BNC Male / Male, 20.0ft 6.1m)	8	105.00	98.70	92.40	86.10	79.80
CTL8B-25B	Premium Multi-Coaxial Cable, 8 BNC Male / Male, 25.0ft (7.6m)	8	115.00	108.10	101.20	94.30	87.40

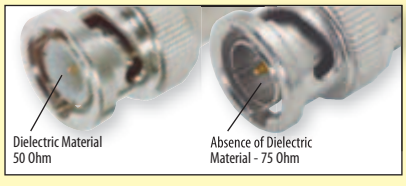
L-com 75 Ohm BNC 1U/2U Patch Panels – 19" (48.3cm) Rack Style

These robust BNC patch panels are made from 16 gauge cold rolled steel and finished with a durable black powder coat. These patch panels can be mounted in any 19" (48.3cm) rack or cabinet.

PR175B1675BLK	1.75" (4.4cm) Panel, 16 - 75 Ohm BNC Adapters Insulated	109.95	101.15	92.36	83.56	CALL
PR35B3275BLK	3.50" (8.9cm) Panel, 32 - 75 Ohm BNC Adapters Insulated	209.95	193.15	176.36	159.56	CALL

Tip — Distinguishing between 50 and 75 Ohm BNC connectors

BNC connectors are one of the few coaxial connectors that are available in two impedance values of 50 and 75 Ohms. You can distinguish the two types by the absence of dielectric material at the interface of the 75 Ohm version as shown.



L-com Global Connectivity

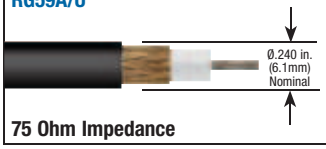
Customer Testimonials
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Item #	Description	1-9	10-24	25-99	100-249	250-499

RG59A/U - 75 Ohm Coaxial Cables with Inline Molded BNC and RCA Plugs

L-com offers a wide variety of RG59A/U cable assemblies utilizing BNC and RCA connectors. RG59A/U cable is one of the most commonly used 75 Ohm cables. In addition to inline configurations L-com offers right angle and female bulkheads. All connectors feature a molded strain relief while the Type F connector features a captivated gold plated center pin for enhanced performance. The stranded center conductor of the RG59A/U cable provides maximum flexibility.

RG59A/U



75 Ohm Impedance

RG59A/U

- Center Conductor: 22 (7 x 30) AWG bare compacted copper
- Shielding: Bare copper braid (96% coverage)
- Insulation: Foam polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	2.1	6.9
100	3.0	9.8
200	4.5	14.8
400	6.6	21.7
1000	10.9	35.8

RG59A/U - 75 Ohm Coaxial Cables with Two Inline BNC Plugs

CC59A-05	RG59A Cable, BNC Male / Male, 0.5ft (0.2m)	8.75	8.40	8.05	7.70	7.35
CC59A-1	RG59A Cable, BNC Male / Male, 1.0ft (0.3m)	9.00	8.64	8.28	7.92	7.56
CC59A-1.5	RG59A Cable, BNC Male / Male, 1.5ft (0.5m)	9.25	8.88	8.51	8.14	7.77
CC59A-2	RG59A Cable, BNC Male / Male, 2.0ft (0.6m)	9.50	9.12	8.74	8.36	7.98
CC59A-2.5	RG59A Cable, BNC Male / Male, 2.5ft (0.8m)	9.75	9.36	8.97	8.58	8.19
CC59A-3	RG59A Cable, BNC Male / Male, 3.0ft (0.9m)	10.00	9.60	9.20	8.80	8.40
CC59A-4	RG59A Cable, BNC Male / Male, 4.0ft (1.2m)	10.50	10.08	9.66	9.24	8.82
CC59A-5	RG59A Cable, BNC Male / Male, 5.0ft (1.5m)	11.00	10.56	10.12	9.68	9.24
CC59A-6	RG59A Cable, BNC Male / Male, 6.0ft (1.8m)	11.50	11.04	10.58	10.12	9.66
CC59A-7.5	RG59A Cable, BNC Male / Male, 7.5ft (2.3m)	12.25	11.76	11.27	10.78	10.29
CC59A-10	RG59A Cable, BNC Male / Male, 10.0ft (3.0m)	13.50	12.96	12.42	11.88	11.34
CC59A-12	RG59A Cable, BNC Male / Male, 12.0ft (3.6m)	14.50	13.92	13.34	12.76	12.18
CC59A-15	RG59A Cable, BNC Male / Male, 15.0ft (4.6m)	16.00	15.36	14.72	14.08	13.44
CC59A-25	RG59A Cable, BNC Male / Male, 25.0ft (7.6m)	21.00	20.16	19.32	18.48	17.64
CC59A-50	RG59A Cable, BNC Male / Male, 50.0ft (15.2m)	33.50	32.16	30.82	29.48	28.14
CC59A-75	RG59A Cable, BNC Male / Male, 75.0ft (22.9m)	46.00	44.16	42.32	40.48	38.64
CC59A-100	RG59A Cable, BNC Male / Male, 100.0ft (30.5m)	58.50	56.16	53.82	51.48	49.14
CC59A-150	RG59A Cable, BNC Male / Male, 150.0ft (45.7m)	83.50	80.16	76.82	73.48	70.14
CC59A-200	RG59A Cable, BNC Male / Male, 200.0ft (61m)	108.50	104.16	99.82	95.48	91.14

RG59A/U - 75 Ohm Coaxial Cables with Inline BNC to Right Angle BNC Plugs

CC59A-1HR	RG59A Cable, BNC Male / 90° Male, 1.0ft (0.3m)	11.25	10.80	10.35	9.90	9.45
CC59A-1.5HR	RG59A Cable, BNC Male / 90° Male, 1.5ft (0.5m)	11.50	11.04	10.58	10.12	9.66
CC59A-2HR	RG59A Cable, BNC Male / 90° Male, 2.0ft (0.6m)	11.75	11.28	10.81	10.34	9.87
CC59A-2.5HR	RG59A Cable, BNC Male / 90° Male, 2.5ft (0.8m)	12.00	11.52	11.04	10.56	10.08
CC59A-3HR	RG59A Cable, BNC Male / 90° Male, 3.0ft (0.9m)	12.25	11.76	11.27	10.78	10.29
CC59A-4HR	RG59A Cable, BNC Male / 90° Male, 4.0ft (1.2m)	12.75	12.24	11.73	11.22	10.71
CC59A-5HR	RG59A Cable, BNC Male / 90° Male, 5.0ft (1.5m)	13.25	12.72	12.19	11.66	11.13
CC59A-7.5HR	RG59A Cable, BNC Male / 90° Male, 7.5ft (2.3m)	14.50	13.92	13.34	12.76	12.18
CC59A-10HR	RG59A Cable, BNC Male / 90° Male, 10.0ft (3.0m)	15.75	15.12	14.49	13.86	13.23

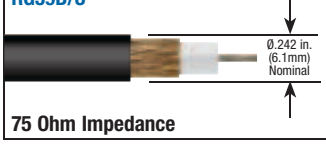
RG59A/U - 75 Ohm Coaxial Cables with Two Inline RCA Plugs

CC59A-RR-1	RG59A Cable, RCA Male / Male, 1.0ft (0.3m)	4.50	4.32	4.14	3.96	3.78
CC59A-RR-3	RG59A Cable, RCA Male / Male, 3.0ft (0.9m)	5.50	5.28	5.06	4.84	4.62
CC59A-RR-6	RG59A Cable, RCA Male / Male, 6.0ft (1.8m)	7.00	6.72	6.44	6.16	5.88
CC59A-RR-9	RG59A Cable, RCA Male / Male, 9.0ft (2.7m)	8.50	8.16	7.82	7.48	7.14
CC59A-RR-12	RG59A Cable, RCA Male / Male, 12.0ft (3.6m)	10.00	9.60	9.20	8.80	8.40

RG59A/U - 75 Ohm Coaxial Cables with Inline RCA to Inline BNC Plug

CC59A-RB-1	RG59A Cable, RCA Male / BNC Male, 1.0ft (0.3m)	4.50	4.32	4.14	3.96	3.78
CC59A-RB-3	RG59A Cable, RCA Male / BNC Male, 3.0ft (0.9m)	5.50	5.28	5.06	4.84	4.62
CC59A-RB-6	RG59A Cable, RCA Male / BNC Male, 6.0ft (1.8m)	7.00	6.72	6.44	6.16	5.88
CC59A-RB-9	RG59A Cable, RCA Male / BNC Male, 9.0ft (2.7m)	8.50	8.16	7.82	7.48	7.14
CC59A-RB-12	RG59A Cable, RCA Male / BNC Male, 12.0ft (3.6m)	10.00	9.60	9.20	8.80	8.40

RG59B/U



75 Ohm Impedance

RG59B/U

- Center Conductor: 22 AWG solid bare copper covered steel
- Shielding: Bare copper braid (95% coverage)
- Insulation: Polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	2.4	7.9
100	3.4	11.1
200	4.9	16.1
400	7.0	23.0
1000	12.0	39.3

RG59B/U - 75 Ohm Coaxial Cables with Two Inline BNC Plugs

CC59B-05	RG59B Cable, BNC Male / Male, 0.5ft (0.2m)	8.75	8.40	8.05	7.70	7.35
CC59B-1	RG59B Cable, BNC Male / Male, 1.0ft (0.3m)	9.00	8.64	8.28	7.92	7.56
CC59B-1.5	RG59B Cable, BNC Male / Male, 1.5ft (0.5m)	9.25	8.88	8.51	8.14	7.77
CC59B-2	RG59B Cable, BNC Male / Male, 2.0ft (0.6m)	9.50	9.12	8.74	8.36	7.98
CC59B-2.5	RG59B Cable, BNC Male / Male, 2.5ft (0.8m)	9.75	9.36	8.97	8.58	8.19
CC59B-3	RG59B Cable, BNC Male / Male, 3.0ft (0.9m)	10.00	9.60	9.20	8.80	8.40
CC59B-4	RG59B Cable, BNC Male / Male, 4.0ft (1.2m)	10.50	10.08	9.66	9.24	8.82
CC59B-5	RG59B Cable, BNC Male / Male, 5.0ft (1.5m)	11.00	10.56	10.12	9.68	9.24
CC59B-6	RG59B Cable, BNC Male / Male, 6.0ft (1.8m)	11.50	11.04	10.58	10.12	9.66
CC59B-7.5	RG59B Cable, BNC Male / Male, 7.5ft (2.3m)	12.25	11.76	11.27	10.78	10.29
CC59B-10	RG59B Cable, BNC Male / Male, 10.0ft (3.0m)	13.50	12.96	12.42	11.88	11.34
CC59B-12	RG59B Cable, BNC Male / Male, 12.0ft (3.6m)	14.50	13.92	13.34	12.76	12.18
CC59B-15	RG59B Cable, BNC Male / Male, 15.0ft (4.6m)	16.00	15.36	14.72	14.08	13.44
CC59B-25	RG59B Cable, BNC Male / Male, 25.0ft (7.6m)	21.00	20.16	19.32	18.48	17.64
CC59B-50	RG59B Cable, BNC Male / Male, 50.0ft (15.2m)	33.50	32.16	30.82	29.48	28.14
CC59B-75	RG59B Cable, BNC Male / Male, 75.0ft (22.9m)	46.00	44.16	42.32	40.48	38.64
CC59B-100	RG59B Cable, BNC Male / Male, 100.0ft (30.5m)	58.50	56.16	53.82	51.48	49.14
CC59B-150	RG59B Cable, BNC Male / Male, 150.0ft (45.7m)	83.50	80.16	76.82	73.48	70.14
CC59B-200	RG59B Cable, BNC Male / Male, 200.0ft (61.0m)	108.50	104.16	99.82	95.48	91.14


CC59A


CC59A-HR


CC59A-RR


CC59A-RB


CC59B

Technical resources
Free tips, tutorials and downloads help you learn all about connectivity. Visit L-com.com/Resources

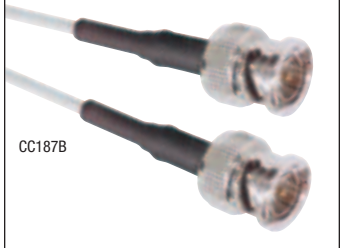
L-com® Global Connectivity


CC59B-HR


CC59B-HR2


CTL1B


CC179B


CC187B

Item #	Description	1-9	10-24	25-99	100-249	250-499

RG59B/U - 75 Ohm Coaxial Cables with One Inline BNC to One Right Angle BNC Plug

CC59B-1HR	RG59B Cable, BNC Male / 90° Male, 1.0ft (0.3m)	11.25	10.80	10.35	9.90	9.45
CC59B-1.5HR	RG59B Cable, BNC Male / 90° Male, 1.5ft (0.5m)	11.50	11.04	10.58	10.12	9.66
CC59B-2HR	RG59B Cable, BNC Male / 90° Male, 2.0ft (0.6m)	11.75	11.28	10.81	10.34	9.87
CC59B-3HR	RG59B Cable, BNC Male / 90° Male, 3.0ft (0.9m)	12.25	11.76	11.27	10.78	10.29
CC59B-4HR	RG59B Cable, BNC Male / 90° Male, 4.0ft (1.2m)	12.75	12.24	11.73	11.22	10.71
CC59B-5HR	RG59B Cable, BNC Male / 90° Male, 5.0ft (1.5m)	13.25	12.72	12.19	11.66	11.13
CC59B-7.5HR	RG59B Cable, BNC Male / 90° Male, 7.5ft (2.3m)	14.50	13.92	13.34	12.76	12.18
CC59B-10HR	RG59B Cable, BNC Male / 90° Male, 10.0ft (3.0m)	15.75	15.12	14.49	13.86	13.23

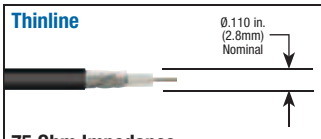
RG59B/U - 75 Ohm Coaxial Cables with Two Right Angle BNC Plugs

CC59B-1HR2	RG59B Cable, BNC 90° Male / 90° Male, 1.0ft (0.3m)	15.00	14.40	13.80	13.20	12.60
CC59B-2HR2	RG59B Cable, BNC 90° Male / 90° Male, 2.0ft (0.6m)	15.50	14.88	14.26	13.64	13.02
CC59B-2.5HR2	RG59B Cable, BNC 90° Male / 90° Male, 2.5ft (0.8m)	15.75	15.12	14.49	13.86	13.23
CC59B-3HR2	RG59B Cable, BNC 90° Male / 90° Male, 3.0ft (0.9m)	16.00	15.36	14.72	14.08	13.44
CC59B-7.5HR2	RG59B Cable, BNC 90° Male / 90° Male, 7.5ft (2.3m)	18.25	17.52	16.79	16.06	15.33

Thinline 75 Ohm (.11"/2.8mm Dia.) Coaxial Cable Assemblies

Substitute our smaller diameter, more flexible, lighter weight thinline cable assemblies for your traditional 75 Ohm cable assemblies. This coaxial cable features a spiral tinned copper shield and a proprietary air foamed dielectric.

Thinline



75 Ohm Impedance

Thinline
- Center Conductor: 28 AWG (7 x 38) stranded tinned copper wire
- Shielding: Tinned copper spiral shield (95% coverage)
- Insulation: Foamed polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
5	1.4	4.6
10	2.1	6.9
30	3.8	12.5
50	5.1	16.7
100	7.6	24.9

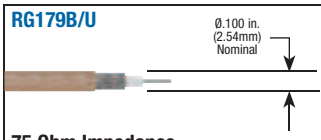
Thinline - 75 Ohm Coaxial Cables with Two Inline BNC Plugs

CTL1B-1	Thinline Cable, BNC Male / Male, 1.0ft (0.3m)	7.00	6.72	6.44	6.16	5.88
CTL1B-2.5	Thinline Cable, BNC Male / Male, 2.5ft (0.8m)	7.75	7.44	7.13	6.82	6.51
CTL1B-5	Thinline Cable, BNC Male / Male, 5.0ft (1.5m)	9.00	8.64	8.28	7.92	7.56
CTL1B-7.5	Thinline Cable, BNC Male / Male, 7.5ft (2.3m)	10.25	9.84	9.43	9.02	8.61
CTL1B-10	Thinline Cable, BNC Male / Male, 10.0ft (3.0m)	11.50	11.04	10.58	10.12	9.66
CTL1B-15	Thinline Cable, BNC Male / Male, 15.0ft (4.6m)	14.00	13.44	12.88	12.32	11.76
CTL1B-25	Thinline Cable, BNC Male / Male, 25.0ft (7.6m)	19.00	18.24	17.48	16.72	15.96

RG179B/U - High Temperature Cables with Inline BNC Plugs

This 75 Ohm cable features a Brown tinted FEP outer jacket and an operating temperature of 200°C.

RG179B/U



75 Ohm Impedance

RG179B/U
- Center Conductor: 30 AWG (7 x 38) stranded silver plated copper covered steel
- Shielding: Silver coated copper braid (95% coverage)
- Insulation: TFE teflon
- Jacket: Brown FEP
- Operating Temperature: -70°C - +200°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	8.5	27.9
100	10.0	32.8
200	12.5	41.0
400	16.0	52.5
1000	24.0	78.7

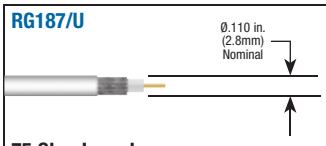
RG179B/U - 75 Ohm High Temperature Cable with Two Inline BNC Plugs

CC179B-1	RG179 Cable, BNC Male / Male, 1.0ft (0.3m)	21.00	20.16	19.32	18.48	17.64
CC179B-1.5	RG179 Cable, BNC Male / Male, 1.5ft (0.5m)	21.75	20.88	20.01	19.14	18.27
CC179B-2	RG179 Cable, BNC Male / Male, 2.0ft (0.6m)	22.50	21.60	20.70	19.80	18.90
CC179B-2.5	RG179 Cable, BNC Male / Male, 2.5ft (0.8m)	23.25	22.32	21.39	20.46	19.53
CC179B-5	RG179 Cable, BNC Male / Male, 5.0ft (1.5m)	27.00	25.92	24.84	23.76	22.68
CC179B-7.5	RG179 Cable, BNC Male / Male, 7.5ft (2.3m)	30.75	29.52	28.29	27.06	25.83
CC179B-10	RG179 Cable, BNC Male / Male, 10.0ft (3.0m)	34.50	33.12	31.74	30.36	28.98
CC179B-15	RG179 Cable, BNC Male / Male, 15.0ft (4.6m)	42.00	40.32	38.64	36.96	35.28

RG187/U - High Temperature 75 Ohm Cables with Inline BNC Plugs

This series features a small diameter (.110/2.8mm) 75 Ohm cable with a 200°C operating temperature.

RG187/U



75 Ohm Impedance

RG187/U
- Center Conductor: 30 AWG (7 x 38) stranded silver plated copper covered steel
- Shielding: Silver coated copper braid (95% coverage)
- Insulation: TFE teflon
- Jacket: TFE teflon tape wrap
- Operating Temperature: -70°C - +200°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	8.5	27.9
100	10.0	32.8
200	12.5	41.0
400	16..0	52.5
1000	24.0	78.7

RG187/U - 75 Ohm Coaxial Cable High Temperature with Two Inline BNC Plugs

CC187B-1	RG187 Cable, BNC Male / Male, 1.0ft (0.3m)	33.50	30.82	28.14	25.46	22.78
CC187B-1.5	RG187 Cable, BNC Male / Male, 1.5ft (0.5m)	35.00	32.20	29.40	26.60	23.80
CC187B-2	RG187 Cable, BNC Male / Male, 2.0ft (0.6m)	36.50	33.58	30.66	27.74	24.82
CC187B-2.5	RG187 Cable, BNC Male / Male, 2.5ft (0.8m)	38.00	34.96	31.92	28.88	25.84
CC187B-5	RG187 Cable, BNC Male / Male, 5.0ft (1.5m)	45.50	41.86	38.22	34.58	30.94
CC187B-7.5	RG187 Cable, BNC Male / Male, 7.5ft (2.3m)	53.00	48.76	44.52	40.28	36.04
CC187B-10	RG187 Cable, BNC Male / Male, 10.0ft (3.0m)	60.50	55.66	50.82	45.98	41.14
CC187B-15	RG187 Cable, BNC Male / Male, 15.0ft (4.6m)	75.50	69.46	63.42	57.38	51.34

L-com® Global Connectivity

Customer Testimonials
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Item #	Description	1-9	10-24	25-99	100-249	250-499

Premium 3.5mm (1/8") 3 Conductor Cables for Microphone, Speaker and Other Applications

These low loss premium 3.5mm cable assemblies offer superior performance when compared to similar commercial counterparts. Connectors are gold plated reducing corrosion while maintaining reliable contact. 22 AWG conductors and a double shield provide minimum loss even at long lengths.

CTL35MM-3	Stereo Cable, 3.5mm Male / Male, 3.0ft (0.9m)	5.00	4.80	4.60	4.40	4.20
CTL35MM-5	Stereo Cable, 3.5mm Male / Male, 5.0ft (1.5m)	6.00	5.76	5.52	5.28	5.04
CTL35MM-10	Stereo Cable, 3.5mm Male / Male, 10.0ft (3.0m)	8.50	8.16	7.82	7.48	7.14
CTL35MM-25	Stereo Cable, 3.5mm Male / Male, 25.0ft (7.6m)	16.00	15.36	14.72	14.08	13.44
CTL35MM-50	Stereo Cable, 3.5mm Male / Male, 50.0ft (15.2m)	28.50	27.36	26.22	25.08	23.94
CTL35MM-100	Stereo Cable, 3.5mm Male / Male, 100.0ft (30.5m)	53.50	51.36	49.22	47.08	44.94
CTL35MF-3	Stereo Cable, 3.5mm Male / Female, 3.0ft (0.9m)	5.00	4.80	4.60	4.40	4.20
CTL35MF-5	Stereo Cable, 3.5mm Male / Female, 5.0ft (1.5m)	6.00	5.76	5.52	5.28	5.04
CTL35MF-10	Stereo Cable, 3.5mm Male / Female, 10.0ft (3.0m)	8.50	8.16	7.82	7.48	7.14
CTL35MF-25	Stereo Cable, 3.5mm Male / Female, 25.0ft (7.6m)	16.00	15.36	14.72	14.08	13.44
CTL35MF-50	Stereo Cable, 3.5mm Male / Female, 50.0ft (15.2m)	28.50	27.36	26.22	25.08	23.94
CTL35MF-100	Stereo Cable, 3.5mm Male / Female, 100.0ft (30.5m)	53.50	51.36	49.22	47.08	44.94

Super Thin 3.5mm Cables

L-com's CTL35MMT-XX series of high quality stereo cable assemblies produces distortion free audio transmission. Features include gold plated center contacts to minimize signal loss as well as fully molded strain relief for enhanced durability and long life. These super thin 3.5mm cables feature an outside diameter (OD) of only 3.5 mm. Available in 7 standard lengths from 3 to 100 feet, custom lengths are also available.

CTL35MMT-3	Stereo ThinLine Audio Cable, Male / Male, 3.0ft (0.9m)	3.99	3.75	3.51	3.27	3.03
CTL35MMT-5	Stereo ThinLine Audio Cable, Male / Male, 5.0ft (1.5m)	4.59	4.31	4.04	3.76	3.49
CTL35MMT-10	Stereo ThinLine Audio Cable, Male / Male, 10.0ft (3.0m)	6.00	5.64	5.28	4.92	4.56
CTL35MMT-15	Stereo ThinLine Audio Cable, Male / Male, 15.0ft (4.5m)	7.49	7.04	6.59	6.14	5.69
CTL35MMT-25	Stereo ThinLine Audio Cable, Male / Male, 25.0ft (7.6m)	9.99	9.39	8.79	8.19	7.59
CTL35MMT-50	Stereo ThinLine Audio Cable, Male / Male, 50.0ft (15.2m)	17.49	16.44	15.39	14.34	13.29
CTL35MMT-100	Stereo ThinLine Audio Cable, Male / Male, 100.0ft (30.5m)	34.99	32.89	30.79	28.69	26.59
CTL35MFT-3	Stereo ThinLine Audio Cable, Male / Female, 3.0ft (0.9m)	3.99	3.75	3.51	3.27	3.03
CTL35MFT-5	Stereo ThinLine Audio Cable, Male / Female, 5.0ft (1.5m)	4.59	4.31	4.04	3.76	3.49
CTL35MFT-10	Stereo ThinLine Audio Cable, Male / Female, 10.0ft (3.0m)	6.00	5.64	5.28	4.92	4.56
CTL35MFT-15	Stereo ThinLine Audio Cable, Male / Female, 15.0ft (4.5m)	7.49	7.04	6.59	6.14	5.69
CTL35MFT-25	Stereo ThinLine Audio Cable, Male / Female, 25.0ft (7.6m)	9.99	9.39	8.79	8.19	7.59
CTL35MFT-50	Stereo ThinLine Audio Cable, Male / Female, 50.0ft (15.2m)	17.49	16.44	15.39	14.34	13.29
CTL35MFT-100	Stereo ThinLine Audio Cable, Male / Female, 100.0ft (30.5m)	34.99	32.89	30.79	28.69	26.59

ThinLine 3.5mm 4 Circuit TRRS

L-com's CTL354MM-XX series of high quality stereo audio/video cable assemblies produces distortion free audio and video transmissions. The cables are commonly used on Apple's iPod® and iPhone® products and work with other TRRS audio/video applications as well. Features include gold plated center contacts to minimize signal loss as well as fully molded strain relief for enhanced durability and long life. These super thin TRRS cables feature an outside diameter (OD) of only 3.5 mm. Available in 8 standard lengths from 3 to 100 feet, custom lengths are also available.

CTL354MM-3	Stereo 4 Circuit TRRS ThinLine Audio Cable, Male / Male, 3.0ft (0.9m)	5.95	5.59	5.24	4.88	4.52
CTL354MM-5	Stereo 4 Circuit TRRS ThinLine Audio Cable, Male / Male, 5.0ft (1.5m)	7.95	7.47	7.00	6.52	6.04
CTL354MM-10	Stereo 4 Circuit TRRS ThinLine Audio Cable, Male / Male, 10.0ft (3.0m)	12.95	12.17	11.40	10.62	9.84
CTL354MM-15	Stereo 4 Circuit TRRS ThinLine Audio Cable, Male / Male, 15.0ft (4.5m)	17.95	16.87	15.80	14.72	13.64
CTL354MM-20	Stereo 4 Circuit TRRS ThinLine Audio Cable, Male / Male, 20.0ft (6.1m)	22.95	21.57	20.20	18.82	17.44
CTL354MM-25	Stereo 4 Circuit TRRS ThinLine Audio Cable, Male / Male, 25.0ft (7.6m)	27.95	26.27	24.60	22.92	21.24
CTL354MM-50	Stereo 4 Circuit TRRS ThinLine Audio Cable, Male / Male, 50.0ft (15.2m)	49.95	46.95	43.96	40.96	37.96
CTL354MM-100	Stereo 4 Circuit TRRS ThinLine Audio Cable, Male / Male, 100.0ft (30.5m)	79.95	75.15	70.36	65.56	60.76

Coiled 3.5mm Cables

L-com's line of coiled 3.5mm cables are perfect for variable reach application where access to a 3.5mm jacks can fluctuate. These rugged coiled 3.5mm cables feature black polyurethane jackets which stand up to UV and chemical exposure. The CTL35MMC-XX series cables from L-com can be used in myriad applications where length variation and mobility are required such as medical, industrial, and manufacturing scenarios.

CTL35MMC-0.5	Coiled 3.5mm Stereo Audio Cable, Male / Male, 0.5ft (0.1m) (Relaxed Length)	19.00	18.62	18.24	17.86	17.48
CTL35MMC-1	Coiled 3.5mm Stereo Audio Cable, Male / Male, 1.0ft (0.3m) (Relaxed Length)	19.95	19.55	19.15	18.75	18.35
CTL35MMC-2	Coiled 3.5mm Stereo Audio Cable, Male / Male, 2.0ft (0.6m) (Relaxed Length)	20.95	20.53	20.11	19.69	19.27
CTL35MMC-3	Coiled 3.5mm Stereo Audio Cable, Male / Male, 3.0ft (0.9m) (Relaxed Length)	22.95	22.49	22.03	21.57	21.11
CTL35MMC-4	Coiled 3.5mm Stereo Audio Cable, Male / Male, 4.0ft (1.2m) (Relaxed Length)	23.95	23.47	22.99	22.51	22.03
CTL35MMC-5	Coiled 3.5mm Stereo Audio Cable, Male / Male, 5.0ft (1.5m) (Relaxed Length)	24.95	24.45	23.95	23.45	22.95

3.5mm Male to Dual Male RCA Y Cables

L-com's CTL35RCAMY series 3.5mm to Dual RCA cables are perfect for splitting a single 3.5mm audio source to the RCA Left/Right Outputs. These rugged cables are offered in several popular off the shelf lengths. Custom length versions are also available upon request. These 3.5mm to RCA Y cables feature PVC jackets and shielding to help protect against EMI/RFI.

CTL35RCAMY-1	3.5mm Male (Stereo) to Dual RCA Male Y Cable, 1.0ft (0.3m)	7.95	7.47	7.00	6.52	6.04
CTL35RCAMY-3	3.5mm Male (Stereo) to Dual RCA Male Y Cable, 3.0ft (0.9m)	9.95	9.35	8.76	8.16	7.56
CTL35RCAMY-5	3.5mm Male (Stereo) to Dual RCA Male Y Cable, 5.0ft (1.5m)	11.95	11.23	10.52	9.80	9.08
CTL35RCAMY-10	3.5mm Male (Stereo) to Dual RCA Male Y Cable, 10.0ft (3.0m)	16.95	15.93	14.92	13.90	12.88
CTL35RCAMY-15	3.5mm Male (Stereo) to Dual RCA Male Y Cable, 15.0ft (4.5m)	21.95	20.63	19.32	18.00	16.68
CTL35RCAMY-20	3.5mm Male (Stereo) to Dual RCA Male Y Cable, 20.0ft (6.1m)	26.95	25.33	23.72	22.10	20.48

3.5mm Male to Dual Female 3.5mm Y Cables

L-com's CTL35YMF series 3.5mm audio Y cables are perfect for splitting a single 3.5mm audio source to two 3.5mm outputs. These rugged cables are offered in several popular off the shelf lengths. Custom length versions are also available upon request. These 3.5mm Y cables feature PVC jackets and shielding to help protect against EMI/RFI.

CTL35YMF-1	3.5mm Male (Stereo) to Dual 3.5mm Jack Y Cable, 1.0ft (0.3m)	4.95	4.65	4.36	4.06	3.76
CTL35YMF-3	3.5mm Male (Stereo) to Dual 3.5mm Jack Y Cable, 3.0ft (0.9m)	6.95	6.53	6.12	5.70	5.28
CTL35YMF-5	3.5mm Male (Stereo) to Dual 3.5mm Jack Y Cable, 5.0ft (1.5m)	8.95	8.41	7.88	7.34	6.80
CTL35YMF-10	3.5mm Male (Stereo) to Dual 3.5mm Jack Y Cable, 10.0ft (3.0m)	13.95	13.11	12.28	11.44	10.60
CTL35YMF-15	3.5mm Male (Stereo) to Dual 3.5mm Jack Y Cable, 15.0ft (4.5m)	18.95	17.81	16.68	15.54	14.40
CTL35YMF-20	3.5mm Male (Stereo) to Dual 3.5mm Jack Y Cable, 20.0ft (6.1m)	23.95	22.51	21.08	19.64	18.20
CTL35YMF-25	3.5mm Male (Stereo) to Dual 3.5mm Jack Y Cable, 25.0ft (7.6m)	28.95	27.21	25.48	23.74	22.00



RoHS status information
listed online for every product.
L-com.com/RoHS

L-COM Global Connectivity


CCD234MM
(molded)


CCD234MF
(molded)


BNC MALE

CCD244MB

SVHS MALE


CCR3MM


CCR2MM


BA400R BA400G BA400B


BA400Y BA400 BA400A

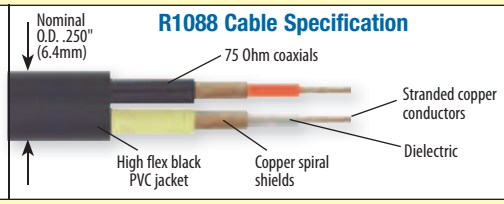
Tip What is S-Video (S-VHS)?

The term S-Video is derived from the way the video signal is transmitted. In S-Video the signal is separated into two components hence the term Separate Video or S-Video. Two 75 Ohm coaxial cables and a Mini DIN 4 connector are utilized to transmit the two component signals. One of the coaxial cables carries the Luminance Signal (brightness or Y component) while the second 75 Ohm coaxial cable carries the Chrominance Signal (color or C component). By separating the video signal into two components a better quality picture is produced than composite video that utilizes one coaxial cable to transmit both signals. The term S-VHS is an acronym for **S**uper-**V**ideo **H**ome **S**ystem.

SVHS (S-Video) Jack



R1088 Cable Specification



Item #	Description	1-9	10-24	25-99	100-249	250-499
Molded S-Video Cable Assemblies, 75 Ohm Dual Coaxial in Single Jacket						
CCD234MM-1	Molded Mini DIN 4 Male / Male, 1.0ft (0.3m)	5.50	5.17	4.84	4.51	4.18
CCD234MM-2	Molded Mini DIN 4 Male / Male, 2.0ft (0.6m)	6.20	5.83	5.46	5.08	4.71
CCD234MM-3	Molded Mini DIN 4 Male / Male, 3.0ft (0.9m)	6.90	6.49	6.07	5.66	5.24
CCD234MM-5	Molded Mini DIN 4 Male / Male, 5.0ft (1.5m)	8.30	7.80	7.30	6.81	6.31
CCD234MM-7.5	Molded Mini DIN 4 Male / Male, 7.5ft (2.3m)	10.05	9.45	8.84	8.24	7.64
CCD234MM-10	Molded Mini DIN 4 Male / Male, 10.0ft (3.0m)	11.80	11.09	10.38	9.68	8.97
CCD234MM-20	Molded Mini DIN 4 Male / Male, 20.0ft (6.1m)	18.80	17.67	16.54	15.42	14.29
CCD234MM-30	Molded Mini DIN 4 Male / Male, 30.0ft (9.1m)	25.80	24.25	22.70	21.16	19.61
CCD234MM-40	Molded Mini DIN 4 Male / Male, 40.0ft (12.2m)	32.80	30.83	28.86	26.90	24.93
CCD234MM-50	Molded Mini DIN 4 Male / Male, 50.0ft (15.2m)	39.80	37.41	35.02	32.64	30.25
CCD234MF-1	Molded Mini DIN 4 Male / Female, 1.0ft (0.3m)	5.50	5.17	4.84	4.51	4.18
CCD234MF-2	Molded Mini DIN 4 Male / Female, 2.0ft (0.6m)	6.20	5.83	5.46	5.08	4.71
CCD234MF-3	Molded Mini DIN 4 Male / Female, 3.0ft (0.9m)	6.90	6.49	6.07	5.66	5.24
CCD234MF-5	Molded Mini DIN 4 Male / Female, 5.0ft (1.5m)	8.30	7.80	7.30	6.81	6.31
CCD234MF-7.5	Molded Mini DIN 4 Male / Female, 7.5ft (2.3m)	10.05	9.45	8.84	8.24	7.64
CCD234MF-10	Molded Mini DIN 4 Male / Female, 10.0ft (3.0m)	11.80	11.09	10.38	9.68	8.97
CCD234MF-20	Molded Mini DIN 4 Male / Female, 20.0ft (6.1m)	18.80	17.67	16.54	15.42	14.29
Assembled S-Video Cable Assemblies - Molded Dual BNC-M, 75 Ohm Dual Coaxial Breakout Cable						
CCD244MB-1	Assembled Mini DIN 4 Male / Dual BNC Male, 1.0ft (0.3m)	13.50	12.69	11.88	11.07	10.26
CCD244MB-2	Assembled Mini DIN 4 Male / Dual BNC Male, 2.0ft (0.6m)	14.20	13.35	12.50	11.64	10.79
CCD244MB-3	Assembled Mini DIN 4 Male / Dual BNC Male, 3.0ft (0.9m)	14.90	14.01	13.11	12.22	11.32
CCD244MB-5	Assembled Mini DIN 4 Male / Dual BNC Male, 5.0ft (1.5m)	16.30	15.32	14.34	13.37	12.39
CCD244MB-7.5	Assembled Mini DIN 4 Male / Dual BNC Male, 7.5ft (2.3m)	18.05	16.97	15.88	14.80	13.72
CCD244MB-10	Assembled Mini DIN 4 Male / Dual BNC Male, 10.0ft (3.0m)	19.80	18.61	17.42	16.24	15.05
CCD244MB-20	Assembled Mini DIN 4 Male / Dual BNC Male, 20.0ft (6.1m)	26.80	25.19	23.58	21.98	20.37

Premium RCA Audio/Video Molded Cables - 3 RCAs Per End

Premium high flex Thinline 75 Ohm coaxials and fully molded strain reliefs with gold plated connectors provide rugged and reliable connections. Individual legs colored: Yellow, White and Red.

CCR3MM-2	3 Line RCA Cable, RCA Male / Male, 2.0ft (0.6m)	9.00	8.28	7.56	6.84	6.12
CCR3MM-3	3 Line RCA Cable, RCA Male / Male, 3.0ft (0.9m)	10.00	9.20	8.40	7.60	6.80
CCR3MM-6	3 Line RCA Cable, RCA Male / Male, 6.0ft (1.8m)	13.00	11.96	10.92	9.88	8.84
CCR3MM-9	3 Line RCA Cable, RCA Male / Male, 9.0ft (2.7m)	16.00	14.72	13.44	12.16	10.88
CCR3MM-12	3 Line RCA Cable, RCA Male / Male, 12.0ft (3.6m)	19.00	17.48	15.96	14.44	12.92
CCR3MM-25	3 Line RCA Cable, RCA Male / Male, 25.0ft (7.6m)	32.00	29.44	26.88	24.32	21.76

Premium Molded RCA Audio Cable Assembly - 2 RCAs Per End

These high quality dual line coaxial cables with gold plated RCA connectors provide the best in audio transmission. Color coded in Red and White to easily identify the left and right channel.

CCR2MM-2	2 Line Dual RCA Cable, RCA Male / Male, 2.0ft (0.6m)	6.25	5.88	5.50	5.13	4.75
CCR2MM-3	2 Line Dual RCA Cable, RCA Male / Male, 3.0ft (0.9m)	6.75	6.34	5.94	5.54	5.13
CCR2MM-6	2 Line Dual RCA Cable, RCA Male / Male, 6.0ft (1.8m)	8.25	7.75	7.26	6.77	6.27
CCR2MM-9	2 Line Dual RCA Cable, RCA Male / Male, 9.0ft (2.7m)	9.75	9.16	8.58	8.00	7.41
CCR2MM-12	2 Line Dual RCA Cable, RCA Male / Male, 12.0ft (3.6m)	11.25	10.57	9.90	9.23	8.55
CCR2MM-25	2 Line Dual RCA Cable, RCA Male / Male, 25.0ft (7.6m)	17.75	16.68	15.62	14.56	13.49

RCA Female Feed-Thru Adapter - with Red, Green, Blue, Yellow or White Insulators

These RCA feed-thru adapters feature insulators color coded for both video and audio applications. This color coding assists in component hookup to avoid improper connections.

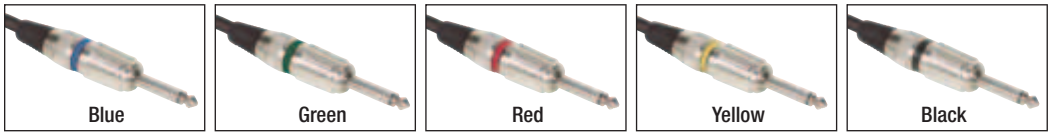
BA400R	Coaxial Adapter, RCA Bulkhead Female / Female, Red Insulator	3.65	3.43	3.21	2.99	2.77
BA400G	Coaxial Adapter, RCA Bulkhead Female / Female, Green Insulator	3.65	3.43	3.21	2.99	2.77
BA400B	Coaxial Adapter, RCA Bulkhead Female / Female, Blue Insulator	3.65	3.43	3.21	2.99	2.77
BA400Y	Coaxial Adapter, RCA Bulkhead Female / Female, Yellow Insulator	3.65	3.43	3.21	2.99	2.77
BA400	Coaxial Adapter, RCA Bulkhead Female / Female, White Insulator	3.65	3.43	3.21	2.99	2.77
BA400A	Coaxial Adapter, RCA Bulkhead Female / Female, 0.5" (1.3cm) Circular Hole	3.65	3.43	3.21	2.99	2.77

L-com Global Connectivity

Latest new products
See our latest new products at
L-com.com/NewProducts

Pro Audio 1/4" (0.6cm) to 1/4" (0.6cm) Male TS Cable Assemblies

L-com now offers an extensive line of TS (Tip and Sleeve) 1/4" (0.6cm) audio cables for use in professional audio applications including instrument connections and audio patching. Our quality constructed TS cables feature 22 AWG cable and are offered with myriad color code choices to help in identifying attached equipment. Contact us today with your custom length and connector requirements.



B	G	R	Y	*---

Ordering is easy, add the desired color code to the part number. Ex: CA14214B-1. *Note: No suffix necessary for Black assemblies.

1/4" (0.6cm) Male to Male TS Pro Audio Cable Assemblies with Colored ID Bands

Item #	Description	1-9	10-24	25-99
CA14214 __-1	TS Pro Audio Cable, 1/4" (0.6cm) Male / Male, 1.0ft (0.3m)	7.95	7.31	6.68
CA14214 __-3	TS Pro Audio Cable, 1/4" (0.6cm) Male / Male, 3.0ft (0.9m)	9.95	9.15	8.36
CA14214 __-6	TS Pro Audio Cable, 1/4" (0.6cm) Male / Male, 6.0ft (1.8m)	12.95	11.91	10.88
CA14214 __-10	TS Pro Audio Cable, 1/4" (0.6cm) Male / Male, 10.0ft (3.0m)	16.95	15.59	14.24
CA14214 __-15	TS Pro Audio Cable, 1/4" (0.6cm) Male / Male, 15.0ft (4.6m)	22.95	21.11	19.28
CA14214 __-20	TS Pro Audio Cable, 1/4" (0.6cm) Male / Male, 20.0ft (6.1m)	27.95	25.71	23.48
CA14214 __-25	TS Pro Audio Cable, 1/4" (0.6cm) Male / Male, 25.0ft (7.6m)	32.95	30.31	27.68

1/4" (0.6cm) TS Male to Male Right Angle Pro Audio Cable Assemblies

L-com stocks several popular off the shelf lengths of the CA14214RA series pro audio cables. These robust assemblies feature one straight TS connector and one right angle TS connector for tight space applications. Contact us today with your custom length and connector requirements.

CA14214RA-1	TS Pro Audio Cable, 1/4" (0.6cm) Male / Male Right Angle, 1.0ft (0.3m)	7.95	7.31	6.68
CA14214RA-3	TS Pro Audio Cable, 1/4" (0.6cm) Male / Male Right Angle, 3.0ft (0.9m)	9.95	9.15	8.36
CA14214RA-6	TS Pro Audio Cable, 1/4" (0.6cm) Male / Male Right Angle, 6.0ft (1.8m)	12.95	11.91	10.88
CA14214RA-10	TS Pro Audio Cable, 1/4" (0.6cm) Male / Male Right Angle, 10.0ft (3.0m)	16.95	15.59	14.24
CA14214RA-15	TS Pro Audio Cable, 1/4" (0.6cm) Male / Male Right Angle, 15.0ft (4.6m)	22.95	21.11	19.28
CA14214RA-20	TS Pro Audio Cable, 1/4" (0.6cm) Male / Male Right Angle, 20.0ft (6.1m)	27.95	25.71	23.48
CA14214RA-25	TS Pro Audio Cable, 1/4" (0.6cm) Male / Male Right Angle, 25.0ft (7.6m)	32.95	30.31	27.68

1/4" (0.6cm) TS Male to 3 Pin XLR Female Unbalanced Pro Audio Cable Assemblies

L-com's TS to XLR female cables are perfect for unbalanced microphone applications and other audio applications requiring unbalanced audio connectivity. These robust assemblies are available in seven off the shelf lengths and are stocked for same day shipping.

CAXLR214-1	TS Pro Audio Cable, 1/4" (0.6cm) Male / 3 Pin XLR Female, 1.0ft (0.3m)	8.95	8.23	7.52
CAXLR214-3	TS Pro Audio Cable, 1/4" (0.6cm) Male / 3 Pin XLR Female, 3.0ft (0.9m)	10.95	10.07	9.20
CAXLR214-6	TS Pro Audio Cable, 1/4" (0.6cm) Male / 3 Pin XLR Female, 6.0ft (1.8m)	13.95	12.83	11.72
CAXLR214-10	TS Pro Audio Cable, 1/4" (0.6cm) Male / 3 Pin XLR Female, 10.0ft (3.0m)	17.95	16.51	15.08
CAXLR214-15	TS Pro Audio Cable, 1/4" (0.6cm) Male / 3 Pin XLR Female, 15.0ft (4.6m)	23.95	22.03	20.12
CAXLR214-20	TS Pro Audio Cable, 1/4" (0.6cm) Male / 3 Pin XLR Female, 20.0ft (6.1m)	28.95	26.63	24.32
CAXLR214-25	TS Pro Audio Cable, 1/4" (0.6cm) Male / 3 Pin XLR Female, 25.0ft (7.6m)	33.95	31.23	28.52

Item #	Description	List Price

Male TS 1/4" (0.6cm) Connector- Colored ID Bands

L-com stocks high quality TS (tip and sleeve) 1/4" (0.6cm) connectors for all your instrument cable repair/termination needs. We offer several color code versions to help in identifying attached equipment. Additionally we offer a right angle version for applications requiring a 90 degree connection. Connectors are packaged individually.

CON-TS14-BLK	TS 1/4" (0.6cm) Connector, Male, Black ID Band	2.99
CON-TS14-RED	TS 1/4" (0.6cm) Connector, Male, Red ID Band	2.99
CON-TS14-YEL	TS 1/4" (0.6cm) Connector, Male, Yellow ID Band	2.99
CON-TS14-BLU	TS 1/4" (0.6cm) Connector, Male, Blue ID Band	2.99
CON-TS14-GRN	TS 1/4" (0.6cm) Connector, Male, Green ID Band	2.99
CON-TS14-RA	TS 1/4" (0.6cm) Connector, Right Angle Male	2.59

XLR 3 Pin Connectors

L-com stocks high quality XLR connectors for all your XLR audio cable repair/termination needs. We offer male, female, and right angle male XLR connectors off the shelf. These connectors feature 50µ of nickel plating on the connector pins and sockets assuring the high quality audio signals and long life over multiple insertions. Connectors are packaged individually.

CON-XLR-M	3 Pin XLR Connector, Male	2.59
CON-XLR-F	3 Pin XLR Connector, Female	2.79
CON-XLR-MRA	3 Pin XLR Connector, Right Angle Male	4.59

Bulk XLR (Microphone) and TS (Instrument/Guitar) Cable

L-com offers bulk 2 conductor (plus shield) XLR cable for making your own XLR cable assemblies. This XLR bulk cable features a 95% coverage double shield design along with rugged 24 AWG conductors. L-com stocks 250 (76.2m) and 500 foot (152.4m) spools of this bulk cable to satisfy both large and small projects. Additionally we stock bulk single conductor (plus shield) TS cable for making your own unbalanced TS style cable assemblies. This single conductor bulk cable features a 90% minimum coverage shield design along with rugged 22 AWG conductors.

XLR-BULK-250	Bulk 2 Conductor/Double Shielded XLR Cable, 250ft (76.2m)	99.95
XLR-BULK-500	Bulk 2 Conductor/Double Shielded XLR Cable, 500ft (152.4m)	219.95
TS-BULK-250	Bulk Single Conductor with Braided Shield TS Cable, 250ft (76.2m)	71.95
TS-BULK-500	Bulk Single Conductor with Braided Shield TS Cable, 500ft (152.4m)	137.95



We answer your technical questions
See a complete list of frequently asked questions at L-com.com/FAQS




CON-XLR3F
Front

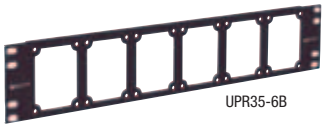

CON-XLR3F
Back


CON-XLR3M
Front

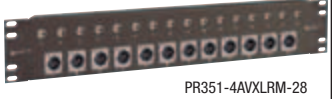

CON-XLR3M
Back

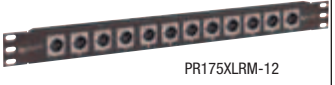

USP2XLRF

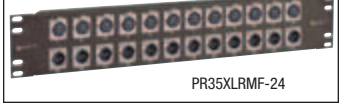

USP2XLRMF


UPR35-6B


PR1751-4AVXLRM-14


PR351-4AVXLRM-28


PR175XLRM-12


PR35XLRMF-24

Item #	Description	1-9	10-24	25-99

Pro Audio XLR Cable Assemblies

L-com now offers a series of 3 pin XLR audio cables for use in professional audio applications including microphone patching. Our quality constructed XLR cables feature 24 AWG cable to ensure the highest quality audio experience. Contact us today with your custom length and connector requirements.

XLR 3 Pin Balanced Male to Female Pro Audio Cable Assemblies

CAXLR2XLR-1	XLR 3 Pin Male / Female Pro Audio Cable, 1.0ft (0.3m)	8.95	8.23	7.52
CAXLR2XLR-3	XLR 3 Pin Male / Female Pro Audio Cable, 3.0ft (0.9m)	11.95	10.99	10.04
CAXLR2XLR-6	XLR 3 Pin Male / Female Pro Audio Cable, 6.0ft (1.8m)	17.50	16.10	14.70
CAXLR2XLR-10	XLR 3 Pin Male / Female Pro Audio Cable, 10.0ft (3.0m)	24.25	22.31	20.37
CAXLR2XLR-15	XLR 3 Pin Male / Female Pro Audio Cable, 15.0ft (4.6m)	32.95	30.31	27.68
CAXLR2XLR-20	XLR 3 Pin Male / Female Pro Audio Cable, 20.0ft (6.1m)	40.95	37.67	34.40
CAXLR2XLR-25	XLR 3 Pin Male / Female Pro Audio Cable, 25.0ft (7.6m)	48.95	45.03	41.12

XLR 3 Pin Balanced Male Right Angle to Female Pro Audio Cable Assemblies

CAXLR2XLRR-1	XLR 3 Pin Male Right Angle / Female Pro Audio Cable, 1.0ft (0.3m)	8.95	8.23	7.52
CAXLR2XLRR-3	XLR 3 Pin Male Right Angle / Female Pro Audio Cable, 3.0ft (0.9m)	11.95	10.99	10.04
CAXLR2XLRR-6	XLR 3 Pin Male Right Angle / Female Pro Audio Cable, 6.0ft (1.8m)	17.50	16.10	14.70
CAXLR2XLRR-10	XLR 3 Pin Male Right Angle / Female Pro Audio Cable, 10.0ft (3.0m)	24.25	22.31	20.37
CAXLR2XLRR-15	XLR 3 Pin Male Right Angle / Female Pro Audio Cable, 15.0ft (4.6m)	32.95	30.31	27.68
CAXLR2XLRR-20	XLR 3 Pin Male Right Angle / Female Pro Audio Cable, 20.0ft (6.1m)	40.95	37.67	34.40
CAXLR2XLRR-25	XLR 3 Pin Male Right Angle / Female Pro Audio Cable, 25.0ft (7.6m)	48.95	45.03	41.12

Item #	Description	1-9	10-24	25-99	100-249	250-499

XLR 3 Pin Panel Mount Connectors (Solder Type)

L-com stocks both male and female 3 pin XLR connectors to address all your pro audio needs. These solder style connectors are in stock and ready for same day shipping. Each connector features gold plating to ensure a high quality audio experience.

CON-XLR3M	XLR 3 Pin Solder Connector, Male	3.95	3.71	3.48	3.24	3.00
CON-XLR3F	XLR 3 Pin Solder Connector, Female	3.95	3.71	3.48	3.24	3.00

XLR Sub-Panels and 2U Rack Panel

These versatile 3 Pin XLR style sub-panels are great for customizing MIC patch panels. There are several versions to choose from including a two port male, two port female and a dual male female combo panel. Each panel is supplied with four 6-32 screws for quick installation into L-com's Universal frame UPR35-6B. Pick and choose the connections you need. We offer same day shipping on most items.

USP2XLRF	Universal Sub-Panel with Two 3 Pin XLR Female Connectors	12.95	12.43	11.91	11.40	10.88
USP2XLRM	Universal Sub-Panel with Two 3 Pin XLR Male Connectors	12.95	12.43	11.91	11.40	10.88
USP2XLRMF	Universal Sub-Panel with One 3 Pin XLR Female and One 3 Pin XLR Male Connector	12.95	12.43	11.91	11.40	10.88
UPR35-6B	Universal Master Rack Panel 2U, with 6 USP Openings	24.95	23.95	22.95	21.96	20.96

Item #	Description	1-9	10-24	25-99

Rack Panel Series Audio Integrated 1/4" (0.6cm) TRS and MIC XLR Connectors

These versatile Audio Rack Panels include XLR and 1/4" (0.6cm) Stereo Jack connectors mounted in standard Rack Panels and are great for customizing Audio interconnections with audio equipment Racks. There are several versions to choose from including a 1U Rack Panel with 14-ports consisting of six XLR Male and eight 1/4" (0.6cm) Stereo Female Audio Jacks; and a 2U 28-port unit with 12 - XLR and 16 - 1/4" (0.6cm) Stereo Jacks. Custom Rack Panels are also available to meet any special applications or combination of connections.

PR1751-4AVXLRM-14	1.75" (4.4cm) x 19" (48.3cm) Panel (Black), 6 - XLR Male Connector/8 - 1/4" (0.6cm) Stereo Jack Conn.	149.95	143.95	137.95
PR351-4AVXLRM-28	3.50" (8.9cm) x 19" (48.3cm) Panel (Black), 12 - XLR Male Connector/16 - 1/4" (0.6cm) Stereo Jack Conn.	249.95	239.95	229.95

Rack Panel Series Audio MIC with 3 Pin XLR Couplers

These versatile 3 Pin XLR style connectors mounted in standard Rack Panels are great for customizing MIC interconnections with audio equipment Racks. There are several versions to choose from including a 1U 12-port Male, 1U 12-port Female and a 24-port 2U dual Male/Female combo panel. Custom Rack Panels are also available to meet any special applications for Male and Female connections.

PR175XLRF-12	1.75" (4.4cm) x 19" (48.3cm) Panel (Black), 12 - XLR Female Couplers	149.95	143.95	137.95
PR175XLRM-12	1.75" (4.4cm) x 19" (48.3cm) Panel (Black), 12 - XLR Male Couplers	149.95	143.95	137.95
PR35XLRMF-24	3.50" (8.9cm) x 19" (48.3cm) Panel (Black), 12 - XLR Female/12 - XLR Male Couplers	249.95	239.95	229.95

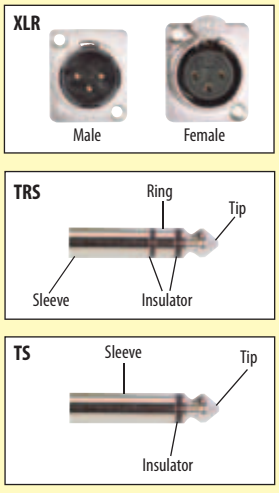
Tip *Balanced Audio vs. Unbalanced Audio*

Balanced Audio uses impedance balanced lines to interconnect audio equipment. Balanced connections use three conductor connectors. Most common in professional settings is the XLR connector. It is also sometimes referred to as a "cannon plug" or "cannon connector". Also used for this application are TRS Plugs. They derive their name from the different functions of the sections of the plug. **T**ip, **R**ing and **S**leeve. (see diagram). They are also often referred to as .25" (6.3mm) 3 channel audio phone plugs. Their appearance is similar to the .25" (6.3mm) stereo plugs used for head phones, even though the two different applications utilize them differently.

The durable construction of the XLR makes it ideal for microphones. Most, if not all, high end microphones make use of this interface. In contrast the TRS smaller form factor make it ideal for mixer inputs/outputs allowing for greater port density.

Balanced Audio Connectors are typically Low Impedance Interfaces. By connecting the balanced lines to identical impedances at both source and load, it allows any differential amplifier to filter out any EMI (Electro-Magnetic-Interference) that the cable may have picked up or generated along the two signal lines.

Unbalanced Audio in contrast uses a two conductor system whereby the shield must carry the return signal. Often used for this application are TS Plugs. Similar in appearance to their TRS siblings, these plugs derive their name similarly. **T**ip and **S**leeve. (see diagram). Noise that is induced onto an Unbalanced line will typically be modulated onto the signal being carried, whereas Balanced lines would not experience this issue. Ground loops are another issue to contend with Unbalanced lines. Unbalanced Audio Connectors are typically high impedance interfaces. Unbalanced Audio is typical for most home audio equipment. Unbalanced Signals can be converted to Balanced signals by the use of a Balun (**Bal**anced/**Un**balanced) adapter typically run through a DI (Direct Input) box.



L-com Global Connectivity

Connect with L-com Global Connectivity

Item #	Description	1-9	10-24	25-99	100-249	250-499

Adapters and Gender Changers

It is often necessary to interconnect between different interface types or to change the gender of an interface to allow attachment of an extension cable. We offer a wide assortment of adapters and gender changers covering commonly used interfaces such as HD15, Mini DIN 5 and 6, DB9, DVI and HDMI.

HD15 Slimline Gender Changer/Adapters - Fully Populated

DGBH15F	Slimline Gender Changer, HD15 Female / Female	7.95	7.16	6.36	5.56	4.77
DGBH15M	Slimline Gender Changer, HD15 Male / Male	7.95	7.16	6.36	5.56	4.77
DGBH15MF	Slimline Socket Saver, HD15 Male / Female	7.95	7.16	6.36	5.56	4.77

Slimline Gender Changer/Adapters - with Pin 9 Missing to Interface VGA Monitors

DGBV15F	Slimline Gender Changer, HD15 Female / Female, No Pin 9	7.95	7.16	6.36	5.56	4.77
DGBV15M	Slimline Gender Changer, HD15 Male / Male, No Pin 9	7.95	7.16	6.36	5.56	4.77
DGBV15MF	Slimline Socket Saver, HD15 Male / Female, No Pin 9	7.95	7.16	6.36	5.56	4.77

DVI Digital Video Molded Adapters

These fully molded adapters provide transition from DVI to both VGA (HD15) and DFP interfaces. Compact in size these adapters are very useful in dealing with difficult interconnection problems.

DMB600FM	DVI Adapter, DVI-D Female / DFP Male	14.95	13.75	12.56	11.36	10.17
DMB601MF	DVI Adapter, DVI-A Male / HD15 Female	9.00	8.28	7.56	6.84	6.12
DMB602FM	DVI Adapter, DVI-A Female / HD15 Male	12.50	11.50	10.50	9.50	8.50
DMB603MF	DVI Adapter, DVI-D Male / DVI-I Female	16.00	14.72	13.44	12.16	10.88

DVI Female to Female Feed-thru Bulkhead Adapter

This fully populated DVI Female Bulkhead Adapter is compatible with DVI-I Single/Dual Link, DVI-D Single/Dual Link and DVI-A male connectors and are bulkhead mountable to allow coupling of two DVI cables through a bulkhead.

DMB605FF	DVI Bulkhead Adapter, Female / Female	14.75	13.28	11.80	10.32	8.85

HDMI® (High Definition Multimedia Interface) Adapters

This series of HDMI adapters is offered in male to female and female to female gender configurations covering your HDMI connection applications from gender changing to panel mount feed-thrus. All adapters are fully molded and compact in size for durability and usefulness in tight fit situations.

HDFM	HDMI Adapter, Female / Male	10.85	9.98	9.11	8.25	7.38
HDFF	HDMI Adapter, Female / Female	10.85	9.98	9.11	8.25	7.38

DVI (Digital Video Interface) to HDMI® (High Definition Multimedia Interface) Adapters

This series of adapters utilizes two of the most commonly used digital video interfaces of DVI and HDMI. Offered in various gender combinations to address multiple interface conversion applications. Fully molded and compact in size for durability and usefulness in tight fit situations.

DVIHDMF	Digital Video Adapter, DVI-D Dual Link Male / HDMI Female	9.25	8.51	7.77	7.03	6.29
DVIHDFF	Digital Video Adapter, DVI-D Dual Link Female / HDMI Female	9.25	8.51	7.77	7.03	6.29
DVIHDMM	Digital Video Adapter, DVI-D Dual Link Male / HDMI Male	9.25	8.51	7.77	7.03	6.29
DVIHDFM	Digital Video Adapter, DVI-D Dual Link Female / HDMI Male	9.25	8.51	7.77	7.03	6.29

HD15 Low Profile Right Angle Adapters - Molded and Fully Shielded

Connecting cables in tight spaces can be a problem in many applications. These low profile adapters solve this problem by allowing cables to be connected at a 90 degree angle. Two versions are available to allow cables to exit in opposite directions. Adapters are male to female, fully shielded and are overmolded with Gray PVC. Mating hardware is reversible allowing for use in virtually any application.

DG90H15MF1	Low Profile Right Angle Adapter, HD15 Male / Female, Cable Exit 1	8.00	7.52	7.04	6.56	6.08
DG90H15MF2	Low Profile Right Angle Adapter, HD15 Male / Female, Cable Exit 2	8.00	7.52	7.04	6.56	6.08

HD15 Switch Box - Made Specifically to Switch SVGA Cables, Uses Coaxial Lines

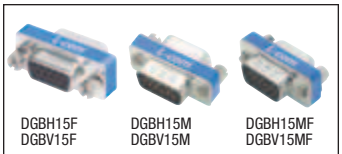
Add flexibility to your SVGA system by using our compact switch box that accepts HD15 connectors. All 15 lines are simultaneously switched. Features: built-in coaxial wiring not found in typical switch boxes and highest quality components in a shielded metal enclosure. Three female receptacles; one line in and two out. Designed to use as a stand alone or rack mounted. Three switch boxes will fit on one Universal (3.5" x 19"/8.9cm x 48.3cm) rack panel.

USP-HDB15AB	HD15 AB Switch Box, Female Connectors	49.95	CALL	CALL	CALL	CALL

Mini DIN Feed-thru Adapters - Panel and Wall Plate Mountable

These exclusive adapters offer a unique design suitable for panel mounting Mini DIN adapters. Female-Female gender.

MD44FF	Feed-Thru Adapter, Mini DIN 4, Female / Female	8.35	7.68	7.01	6.35	5.68
MD44FJF	Mini DIN 4 Bulkhead Jack / Leads, Front Mount	9.35	8.60	7.85	7.11	6.36
MD44FJR	Mini DIN 4 Bulkhead Jack / Leads, Rear Mount	9.35	8.60	7.85	7.11	6.36


DGBH15F DGBV15F | DGBH15M DGBV15M | DGBH15MF DGBV15MF

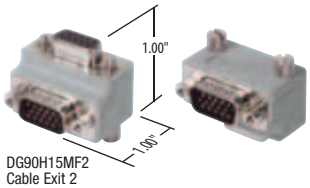

DMB600FM (Front View) | DMB600FM (Rear View)


DMB601MF | DMB602FM

Best Seller


DMB605FF


HDFM | DVIHDMM

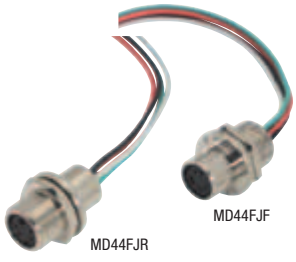


DG90H15MF2 Cable Exit 2


USP-HDB15AB

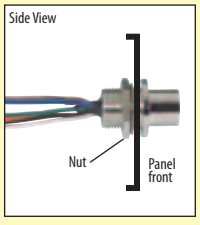
Best Seller


MD44FF


MD44FJF | MD44FJR

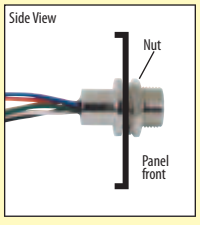
Tip ***Installation of Mini DIN bulkhead adapter styles***





Mount adapter from the front of panel, secure threads/nut from the back of the panel.

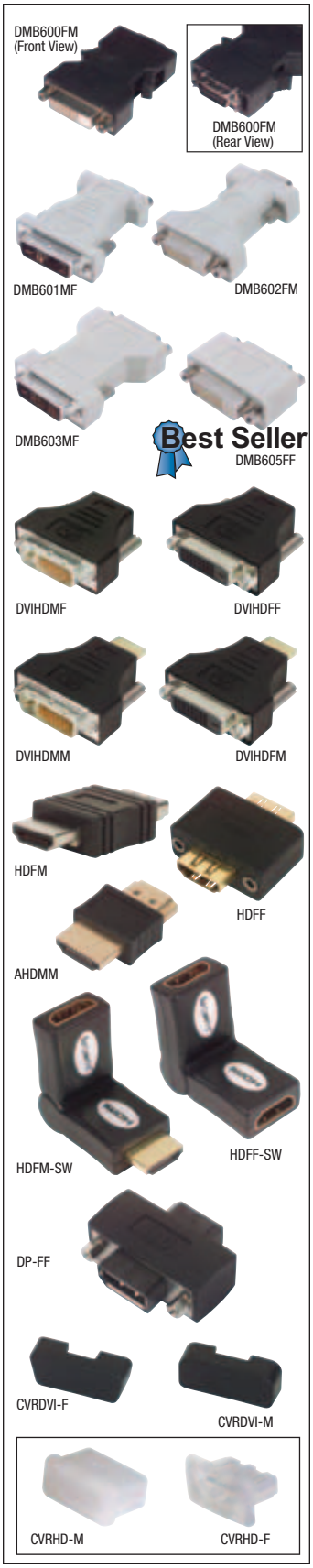




Mount adapter from the rear of panel, secure threads/nut from the front of the panel.

Informative e-mail newsletters
Our newsletters are packed with tips, tutorials, product info and downloads! L-com.com/Newsletter

L-com Global Connectivity



Tip What are the major A/V interfaces?

Currently there are four major video interfaces controlled by different standards groups and each with it's own strengths and weaknesses. This chart is a comparison of these interfaces.

	HDMI (High Definition Multimedia Interface)	DP (Display Port)	DVI (Digital Video Interface)	SVGA (Super Video Graphics Array)
Standards Group	HDMI Licensing, LLC. (Consortium of consumer electronics manufacturers)	VESA (Video Electronics Standards Association	DDWG (Digital Display Work Group)	VESA (Video Electronics Standards Association)
Maximum Channels	8	8	6 (Dual Link)	N/A
Maximum Resolution	HDTV 720P and 1080P	1080p	QXGA (2048 x 1536)	800 x 600
Analog / Digital Combination	No	No	DVI-I (24 + 4 Pin) Yes	No
Digital / Audio	Yes	Yes	No	No

Item #	Description	1-9	10-24	25-99	100-249	250-499

DVI Digital Video Molded Adapters

These fully molded adapters provide transition from DVI to both VGA (HD15) and DFP interfaces. Compact in size these adapters are very useful in dealing with difficult interconnection problems.

DMB600FM	DVI Adapter, DVI-D Female / DFP Male	14.95	13.75	12.56	11.36	10.17
DMB601MF	DVI Adapter, DVI-A Male / HD15 Female	9.00	8.28	7.56	6.84	6.12
DMB602FM	DVI Adapter, DVI-A Female / HD15 Male	12.50	11.50	10.50	9.50	8.50
DMB603MF	DVI Adapter, DVI-D Male / DVI-I Female	16.00	14.72	13.44	12.16	10.88

DVI Female to Female Feed-thru Bulkhead Adapter

This fully populated DVI female bulkhead adapter is compatible with DVI-I Single/Dual Link, DVI-D Single/Dual Link and DVI-A male connectors and is bulkhead mountable to allow coupling of two DVI cables through a bulkhead.

DMB605FF	DVI Bulkhead Adapter, Female / Female	14.75	13.28	11.80	10.32	8.85

DVI (Digital Video Interface) to HDMI® (High Definition Multimedia Interface) Adapters

This series of adapters utilizes two of the most commonly used digital video interfaces of DVI and HDMI. Offered in various gender combinations to address multiple interface conversion applications. Fully molded and compact in size for durability and usefulness in tight fit situations.

DVIHDMF	Digital Video Adapter, DVI-D Dual Link Male / HDMI Female (Panel Mount)	9.25	8.51	7.77	7.03	6.29
DVIHDFF	Digital Video Adapter, DVI-D Dual Link Female / HDMI Female	9.25	8.51	7.77	7.03	6.29
DVIHDMM	Digital Video Adapter, DVI-D Dual Link Male / HDMI Male	9.25	8.51	7.77	7.03	6.29
DVIHDFM	Digital Video Adapter, DVI-D Dual Link Female / HDMI Male	9.25	8.51	7.77	7.03	6.29

HDMI® (High Definition Multimedia Interface) Adapters

This series of HDMI adapters is offered in male-female, female-female and male-male gender configurations covering your HDMI connection applications from gender changing to panel mount feed-thrus. All adapters are fully molded and compact in size for durability and usefulness in tight fit situations.

HDFM	HDMI Adapter, Female / Male	10.85	9.98	9.11	8.25	7.38
HDFF	HDMI Adapter, Female / Female	10.85	9.98	9.11	8.25	7.38
AHDMM	HDMI Adapter, Male / Male	7.90	7.11	6.32	5.53	4.74

HDMI® Swivel Adapters

L-com offers female to female and male to female HDMI swivel adapters to address applications where space is confined or access is prohibitive. These versatile HDMI swivel adapters can be used with any HDMI compliant cable assembly or HDMI ports on devices including HD TVs and HDMI hubs.

HDFF-SW	HDMI Swivel Adapter, HDMI Female / HDMI Female	9.95	9.35	8.76	8.16	7.56
HDFM-SW	HDMI Swivel Adapter, HDMI Female / HDMI Male	9.95	9.35	8.76	8.16	7.56

DisplayPort Panel Mount Adapter (Female DP to Female DP)

L-com's DP-FF is a versatile panel mount DisplayPort feed-thru adapter that makes connecting DisplayPort cables through a panel or enclosure a snap. This DisplayPort adapter features two removable 4-40 jackscrews for easy panel mounting.

DP-FF	DisplayPort Panel Mount Adapter, Female / Female	17.95	17.59	17.23	16.87	16.51

DVI Dust Covers - Male and Female

L-com's DVI dust covers protect unused DVI connectors on cable assemblies and DVI receptacles on DVI equipment including DVI KVM switches, DVI Extenders, DVI splitters, and more! We offer both male and female DVI dust covers in packages of 10.

CVRDVI-M	DVI Dust Cover, Male, Pkg/10	5.95	5.71	5.47	5.24	5.00
CVRDVI-F	DVI Dust Cover, Female, Pkg/10	5.95	5.71	5.47	5.24	5.00

HDMI® Dust Covers- Male and Female

L-com's HDMI dust covers protect unused HDMI connectors on cable assemblies and HDMI receptacles on HDMI equipment including HDMI hubs, HDMI Extenders, HDMI splitters, and more! We offer both male and female HDMI dust covers in packages of 10.

CVRHD-M	HDMI Dust Cover, Male, Pkg/10	5.95	5.71	5.47	5.24	5.00
CVRHD-F	HDMI Dust Cover, Female, Pkg/10	5.95	5.71	5.47	5.24	5.00

L-com Global Connectivity

Latest new products
See our latest new products at
L-com.com/NewProducts

Field Installation Products

Often times the use of finished cable assemblies is simply not possible due to space limitations of an existing installation. In these cases, L-com's offering of field friendly products are the perfect solution. Our terminal block connectors allow termination of data, audio, and video lines without the use of any special tools. These products were designed to address existing infrastructure applications where space is limited and running new cable is not an option.



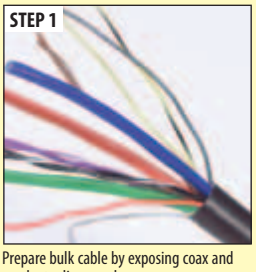
Item #	Description	1-9	10-24	25-99	100-249	250-499

DB9, DB25 or HD15 Female Connector for Field Termination - Panel Mountable

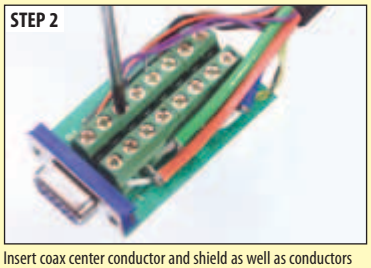
These field termination female connectors provide an easy and convenient way to perform field termination of any DB9, DB25 or HD15 cable. Separate connection points are provided for all positions of the connector plus the ground. Terminal block design with set screws provides reliable electrical connections without special tools. The terminal block area is clearly marked making proper termination virtually foolproof. Panel mountable for thickness up to 0.062" (1.57mm).

DGB9FT	DB9 Female Connector for Field Termination	8.25	7.75	7.26	6.77	6.27
DGB25FT	DB25 Female Connector for Field Termination	12.00	11.28	10.56	9.84	9.12
DGBH15FT	SVGA HD15 Female Connector for Field Termination	10.00	9.40	8.80	8.20	7.60

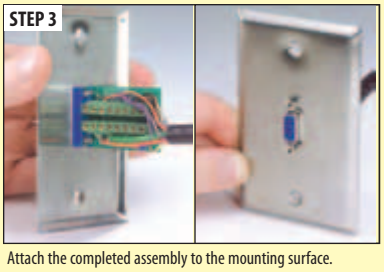
Tip ***How to perform a field installation of a DGBH15FT HD15 (SVGA) jack***



Prepare bulk cable by exposing coax and conductor lines as shown.



Insert coax center conductor and shield as well as conductors into appropriate terminal slot as indicated in the supplied wiring diagram. Tighten the setscrews.



Attach the completed assembly to the mounting surface.

Mini DIN 4 - S-Video Jack for Field Termination

The MD44FT field termination Mini DIN 4 female jack offers a quick and easy field termination using common tools. Terminal blocks with set screws ensure reliable electrical connections. The terminal block area is clearly marked making field termination virtually foolproof. This unit is designed to fit common .5" (1.3cm) circular or D-style openings. The undercut PCB area provides a convenient area to secure a cable tie wrap resulting in a neat dressing for the terminated cable. Custom configurations will be considered with modest minimums.

MD44FT	Mini DIN 4 Female Field Termination Jack	7.25	6.67	6.09	5.51	4.93

DVI-D Dual Link Field Termination Connector, Female

The DVIDDLFT field termination connector provides an easy and convenient way to perform field termination of any DVI-D Dual Link cable. Separate connection points are provided for all 24 positions of the connector. The terminal block design with set screws provides reliable electrical connections utilizing no special tools. Additionally the terminal block area is clearly marked making proper termination virtually foolproof.

DVIDDLFT	DVI-D Dual Link, Female	13.95	13.11	12.28	11.44	10.60

Female Field Termination Connector for HDMI® Applications

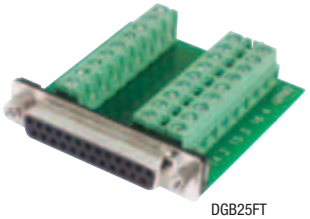
The HDFT is the perfect solution for quickly adding an HDMI port for A/V infrastructure additions or repairs. This easy to install connector utilizes handy screw terminals which are clearly numbered for ease of installation. 30µ gold plated contacts provide excellent signal integrity.

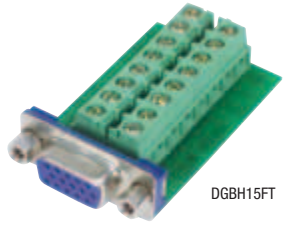
HDFT	HDMI Female Field Termination Connector	9.95	9.35	8.76	8.16	7.56

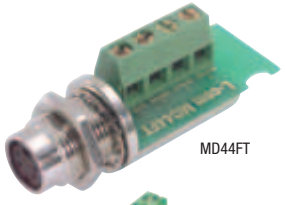
3.5mm Field Termination Connector, Female

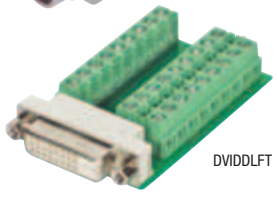
L-com's 35MMFT is the perfect solution for quickly adding a 3.5mm audio port. This easy to install 3.5mm field term connector utilizes handy screw terminals which are clearly marked for ease of installation.

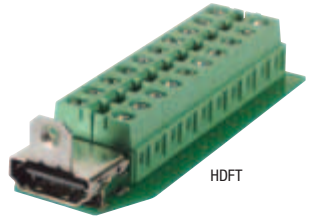
35MMFT	3.5mm, Female	3.99	3.91	3.83	3.75	3.67

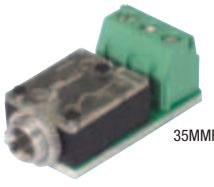

DGB25FT


DGBH15FT


MD44FT


DVIDDLFT


HDFT


35MMFT

Customer Testimonials
Read why others choose L-com.
L-com.com/Testimonials

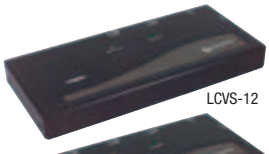
L-com® Global Connectivity


HD-SP-102


HD-SP-104


HD-SW-401


HD-EXT-HSL


LCVS-12


LCVS-14


LCVS-18


LCVX-VGA (REX Back)

LCVX-VGA (LEX Back)


LCVX-VGA (REX Front)

LCVX-VGA (LEX Front)


LC-SD-KIT-A (Back view)

LC-SD-KIT-A (Front view)

Item #	Description	List Price

L-com HDMI® Splitter 1x2 or 1x4 - 3D Ready, HDCP Compliant

Easily split your HDMI signal with L-com's 3D ready HDMI splitters. These plug and play HDMI splitters set up in seconds and are perfect for home or professional use. Features include HDCP compliant hardware, 1080/60p resolutions and 3D support.

HD-SP-102	L-com HDMI Splitter, 1x2, 3D Ready, HDCP Compliant	89.95
HD-SP-104	L-com HDMI Splitter, 1x4, 3D Ready, HDCP Compliant	179.95

L-com HDMI® Switches 2x1 or 4x1 - 3D Ready, HDCP Compliant

Easily switch your HDMI signal with L-com's 3D ready HDMI switches. These plug and play HDMI switches set up in seconds and are perfect for home or professional use. Features include HDCP compliant hardware, 1080/24p resolutions and 3D support.

HD-SW-201	L-com HDMI Switch, 2x1, 3D Ready, HDCP Compliant	65.95
HD-SW-401	L-com HDMI Switch, 4x1, 3D Ready, HDCP Compliant	92.95

L-com HDMI® Active Extender (TX & RX Units) Extends your Video over Cat5e (or Better) Cabling up to 200 feet (60.9m) HDCP Compliant

L-com's HD-EXT-HSL HDMI extender extends HDMI signal over 24 AWG solid Cat5e (or better) cabling up to 200 feet (60.9m). This active HDMI extender features a TX and RX unit distance up to 200 feet (60.9m) at 1080/60i or 150 feet (45.7m) at Blu-ray 1080/60p. Features include HDCP support, adjustable 8-level EQ control and 7.1-channel surround sound audio.

HD-EXT-HSL	L-com Active HDMI Over UTP Extender, 200ft (60.9m)	179.95

L-com VGA Video Splitters 1x2, 1x4 and 1x8

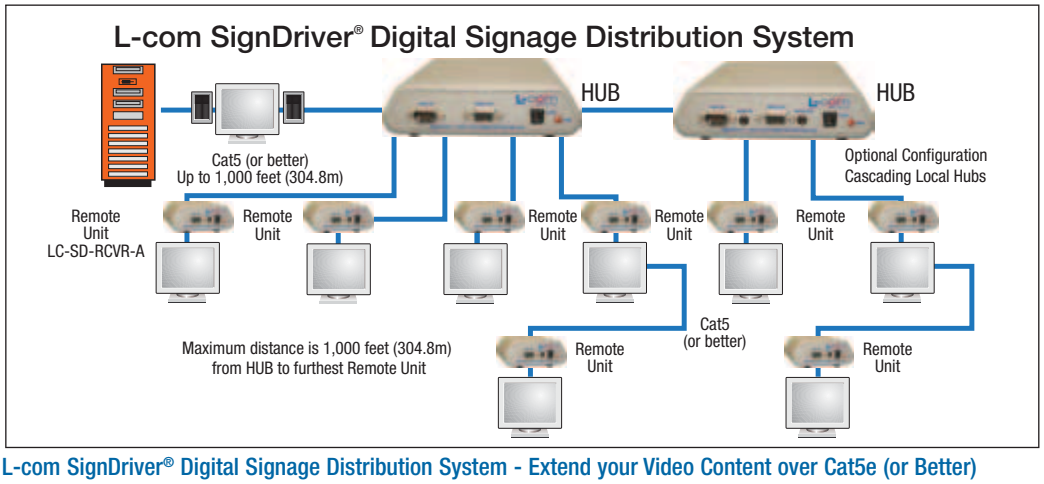
L-com's LCVS series of VGA video splitters are perfect for distributing VGA video signals from one source to multiple displays. These plug and play video splitters can be installed in seconds and provide crisp, clear images. Perfect for Digital Signage and Pro A/V applications, these robust yet affordable VGA splitters feature rugged metal cases as well as external power supplies (included). Signal bandwidth to 350 MHz (2 and 4 port), 300 MHz (8 port model).

LCVS-12	L-com 1x2 VGA Video Splitter	35.00
LCVS-14	L-com 1x4 VGA Video Splitter	50.00
LCVS-18	L-com 1x8 VGA Video Splitter	72.00

L-com VGA Splitter/Extender (TX & RX Units) Extends your Video over Cat5e (or Better) Cabling up to 150 Meters (492ft)

L-com's LCVX-VGA VGA Extender is perfect for Digital Signage and PRO A/V applications where the extension of analog computer video is necessary. The LCVX-VGA features both TX (Transmit) and RX (Receiver) units, each with its own power supply. The TX unit has an HD15F VGA in port that would connect to your video source with a standard VGA M/F cable. It also includes two local HD15F outputs to support two local monitors with standard VGA M/M cabling. Using Cat5e (or better) cabling you can also extend your video to the RX unit up to 150 meters (492ft) away, (24 AWG solid cabling recommended for runs over 100ft). The RX unit takes the video received over the Cat5e (or better) cabling and provides two HD15F outputs to support two monitors with standard VGA M/M cabling. The LCVX-VGA is capable of supporting resolutions of up to 1024x768 at 150 meters (492ft).

LCVX-VGA	L-com UTP VGA Extender, TX and RX Unit	97.00



L-com SignDriver® Digital Signage Distribution System - Extend your Video Content over Cat5e (or Better) Cabling up to 1,000 Feet (304.8m)

Use L-com's SignDriver® Digital Signage Distribution System to get your message across to your customers. This rugged, high performance solution delivers crystal clear video content via Cat5e (or better) unshielded twisted pair cabling to video monitors up to 1,000 feet (304.8m) away from the source and supports video resolutions of up to 1600x1280 @ 60hz.

The core of the system is the Cat-X Video Distribution Hub. This device is equipped with a standard VGA HD15-F connector which is attached to the video content host. Video information is then broadcasted simultaneously to the 4-RJ45 Category-X jacks. Use the VGA-HD15 output port to cascade multiple hubs together to build a much larger system.

LC-SD-KIT	SignDriver Single Port Video Extender Kit	349.00
LC-SD-HUB4	SignDriver 4-Port Video Distribution Hub	249.00
LC-SD-RCVR	SignDriver Video Distribution Remote Receiver	179.00
LC-SD-KIT-A	SignDriver Single Port Video Extender Kit with Audio	389.00
LC-SD-HUB4-A	SignDriver 4-Port Video Distribution Hub with Audio	279.00
LC-SD-RCVR-A	SignDriver Video Distribution Remote Receiver with Audio	229.00

L-com Global Connectivity

Latest new products
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L-com.com/NewProducts

Item #	Description	List Price

AdderLink AV100 Series Audio/Video Extenders

The AdderLink AV100 Series is a range of audio visual extenders delivering high video resolutions and superb quality audio up to 300m (1,000ft) using standard Cat5e (or better) cables. Designed for use in Digital Signage applications, the innovative design allows for flexible distribution that can grow in line with project developments and ensures direct delivery of crystal clear communication to consumers at the point of decision. The AdderLink AV Series avoids the prohibitive costs of fiber optic cabling, displays with built in CPUs or locating a CPU next to each screen. The AdderLink AV Series consists of 4 interchangeable units. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote!**

AV100T-US	Adder AV 100 Series Extender Point to Point Transmitter	180.00
AV100R-US	Adder AV 100 Series Extender Receiver, No Deskew, Outputs to 2 Displays	226.15
AV100P-US	Adder AV 100 Series Extender Pair, Point to Point, No DeSkew, Outputs to 2 Displays	364.62
AV101R-US	Adder AV 100 Series Extender Receiver with Deskew, Outputs to 2 Displays	272.31
AV102T-US	Adder AV 100 Series Extender Point to Multipoint 2 Way Transmitter with Serial	138.46
AV104T-US	Adder AV 100 Series Extender Point to Multipoint 4 Way Transmitter	272.31

AdderLink AV200 Series Audio/Video Extenders

The AdderLink AV200 Series is a range of audio visual extenders delivering high video resolutions, superb quality audio and RS232 up to 300m (1,000ft) using standard Cat5e (or better) cables. The innovative design allows for flexible audio visual distribution, management, control and interaction with the display devices which can be expanded to grow in line with project developments. Consisting of 5 interchangeable units, the AdderLink AV200 Series makes the design of digital signage and narrow casting applications cost effective, flexible and easy to plan. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote!**

AV200P-US	Adder AV 200 Series Extender Pair, Point to Point with Serial, No Deskew, Outputs to 2 Displays	456.92
AV200R-US	Adder AV 200 Series Extender Receiver with Serial, No Deskew, Outputs to 2 Displays	253.85
AV200T-US	Adder AV 200 Series Extender Point to Point Transmitter with Serial	207.69
AV201R-US	Adder AV 200 Series Extender Receiver with Serial and Deskew, Outputs to 2 Displays	364.62
AV204T-US	Adder AV 200 Series Extender Point to Multipoint 4-Way Transmitter with Serial	484.62
AV208T-US	Adder AV 200 Series Extender Point to Multipoint 8-Way Transmitter with Serial	576.92

AdderLink LPV150 Series Digital Signage Extenders

The AdderLink LPV has been designed to deliver stunning results at a really attractive price, making it the perfect introduction to professional digital signage. The AdderLink LPV Digital Signage Extender is possibly the easiest to install point to point extender available today. In addition to its simplicity the LPV Extender also delivers fantastic quality video up to 150 meters (500ft) away. The ALPV154T is able to take the same HD input and split it to 4 different screens connected via the ALPV150R receivers. There is a feed through port on the unit to allow a local display or you can cascade another ALAV154T so you can supply 8 screens. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote!**

ALPV150P	Adder LPV150 Series Digital Signage Extender, USB and VGA	226.15
ALPV150R	Adder LPV150 Series Line Powered VGA Extender Receiver to 150 meters	101.54
ALPV154T	Adder LPV150 Series 4-Way Line Powered VGA Extender to 150 meters	336.92

AdderLink X Series X-DVI PRO Extenders

The AdderLink X-DVI PRO allows users to distribute control of any computer which uses DVI video and USB. The X-DVIPRO can deliver perfect 1080p digital video at distances over 50 meters and resolutions up to 165 MPixels per second (e.g. 1920 x 1200 @ 60Hz or 3840 x 2400 @ 17Hz). **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote!**

X-DVIPRO-US	Adder Series DVI and 4-Port USB Over a Single Cat5e (or better) Cable to 50 meters	780.00
X-DVIPRO-MS2-US	Adder Series Dual Head DVI, Audio and 4-Port USB Over a Single Cat5e (or better) Cable to 50 meters	1380.00

AdderLink X50 and X50-MS2 Series VGA/USB Extenders

The AdderLink X50 was designed for use in applications where computers need to have their USB peripherals including keyboards and mice, high quality video and audio control extended up to 50m (150ft) across Cat5e (or better) UTP cable. The AdderLink X50-MultiScreen adds a second video and transparent, high speed RS232 up to baud rates of 19200. The AdderLink X50 (MS2) series provides sharp, bright and ultra high-resolution video over a VGA interface(s) and ensures total USB compatibility regardless of the computer being controlled or the peripheral being extended. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote!**

X50-US	AdderLink X50-US, USB / Video Extender	530.77
X50-MS2-US	AdderLink X50-MS2-US, USB / Multiscreen Video Extender	780.00

Gefen Extender for HDMI® 1.3 over Cat5e (or Better) Cabling up to 330 Feet

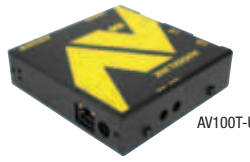
The Extender for HDMI 1.3 extends a Hi-Def Display with multi-channel digital audio and Ethernet at resolutions of 1080p full HD and 4K (4096 x 2160 @ 24 Hz) t up to 330 feet (100 meters) using one Cat5e (or better) cable. DVI-D is supported when used with an HDMI to DVI Adapter, providing greater flexibility and options when integrating several home theater components. 3D content can be displayed when a 3DTV and 3D source are connected. Extension of Ethernet connectivity enables internet or local area network access for HDTVs, home PCs, video game consoles, DVRs and any device that needs fast 10/100Base-T network access, at convenient locations. **As an authorized Gefen reseller, we can bid on RFQs for any Gefen part numbers. Contact us to request a non-obligatory quote!**

GFN-HD1.3-CAT5ELR	Gefen Extra Long Range Extender for HDMI, 3DTV, Ethernet, and IR with Support for HDBaseT over one Cat5e (or better) Cable	649.00

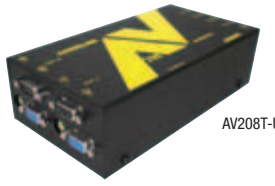
Gefen DVI Fiber Optic Extender, Extends your DVI Video over Multimode LC Fiber up to 2,000 Feet

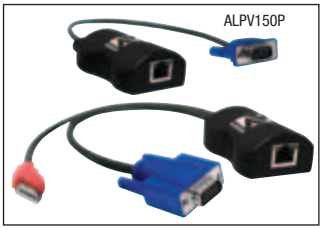
The DVI-FMP Extender extends your DVI display up to 2000 feet away from your source, with only two tiny transmitters and receivers required, using a 100% optical fiber solution. It's a great way to extend DVI video easily and unobtrusively. The DVI FM sender unit plugs into your computer. The DVI FM receiver unit plugs into your DVI display - up to 2000 feet away. Multimode LC fiber optic cable (4 strand) connect the DVI FMP and the DVI FMR units to each other. **As an authorized Gefen reseller, we can bid on RFQs for any Gefen part numbers. Contact us to request a non-obligatory quote!**

GFN-DVI-FMP	Gefen DVI Fiber Optic Extender	524.98


AV100T-US


AV200P-US


AV208T-US


ALPV150P


X-DVIPRO-MS2-US


X50-MS2-US


GFN-HD1.3-CAT5ELR (Back view)


GFN-HD1.3-CAT5ELR (Front view)

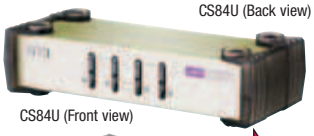

GFN-DVI-FMP

To see our entire product offering
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L-com® Global Connectivity


CS64US


CS84U (Back view)


CS84U (Front view)


AV4PRO-VGA-US (Front view)


AV4PRO-VGA-US (Back view)


SVMS4-DUAL (Back view)


SVMS4-DUAL (Front view)

AVX1008-US (Back view)


AVX1008-US (Front view)




X200A-R-US


CCS4USB

Item #	Description	List Price

ATEN USB KVM Switches with Audio and Integrated Octopus Cables, 2 and 4 Port

Aten offers a broad line of cable KVM switch solutions geared toward the SOHO (Small Office/Home Office) user. These compact, durable cable KVM switches features audio support. The Plug and Play design helps to quickly and easily deploy this cable KVM switch. **As an authorized ATEN reseller, we can bid on RFQs for any ATEN part numbers. Contact us to request a non-obligatory quote!**

CS62U	Aten Integrated Cable 2 port KVM Switch USB with Audio	39.98
CS64US	Aten Integrated Cable 4 port KVM Switch USB with Audio	71.95

ATEN PS/2-USB Desktop KVM Switches, 2 and 4 Port

The CS82U/CS84U PS/2-USB KVM Switch is a desktop control unit that allows users to access two or four computers from a single KVM console (PS/2 or USB keyboard and mouse, and VGA monitor). In addition, CS82U/CS84U comes with ATEN's new Video DynaSync™ technology, which eliminates boot-up display problems and optimizes resolution. **As an authorized ATEN reseller, we can bid on RFQs for any ATEN part numbers. Contact us to request a non-obligatory quote!**

CS82U	Aten Desktop 2 port PS/2-USB KVM Switch	79.95
CS84U	Aten Desktop 4 port PS/2-USB KVM Switch	139.95

AdderView Pro VGA, DVI and DisplayPort 4 and 8 Port KVM Switches

The AdderView Pro series are professional grade KVM switches which deliver ultimate flexibility for users who wish to share a high resolution screen(s) and modern USB peripherals between multiple computers. The AV4PRO-VGA is designed to enable up to four computers to be controlled from a single high resolution KVM console using HD15 VGA cabling. The AV4PRO-DVI-xx group is designed to enable four to eight computers to be controlled from a single high resolution KVM console using dual link DVI cabling. The AV4PRO-DP is designed to enable up to four computers to be controlled from a single high resolution KVM console using the new DisplayPort cabling system. The switches makes use of Adder's True Emulation technology which enables USB HID devices to be continuously emulated to each computer. This unique technology enables instantaneous and reliable hotkey switching while also supporting the extra keys and features of enhanced keyboards and mice. Furthermore, the AdderView includes two independently switchable USB 2.0 channels and an audio channel, giving the user the flexibility to attach selected peripherals to different computers. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote!**

AV4PRO-VGA-US	AdderView 4 Pro VGA Switch	392.31
AV4PRO-DVI	AdderView 4 Pro DVI 4 Port KVM Switch (4 PCs)	456.92
AV4PRO-DVI-DUAL	AdderView 4 Pro DVI 4 Port Dual Head KVM Switch (4 PCs)	918.46
AV4PRO-DVI-TRI	AdderView 4 Pro DVI 4 Port Triple Head KVM Switch (4 PCs)	1287.69
AV4PRO-DVI-QUAD	AdderView 4 Pro DVI 4 Port Quad Head KVM Switch (4 PCs)	1656.92
AV8PRO-DVI	AdderView 8 Pro DVI 8 Port KVM Switch (8 PCs)	1380.00
AV4PRO-DP	AdderView Pro 4 Port, DisplayPort with USB True Emulation Technology	623.08

Adder Dual Display KVM Switches

The Adder SmartView Multiscreen expands the horizons of computer control by adding multiple monitor support to an advanced KVM switch. The Multiscreen 2 and 4 port KVM switches maximizes video quality by minimizing any ghosting, smudging or fading effects. Consequently, excellent video clarity is maintained even at higher screen resolutions. DDC (Display Data Channel) signaling is supported on all the SmartView's video ports making them "plug-and-play" compatible and enabling your computers' video cards to be configured for best performance. High quality video with resolutions up to 1920 by 1440 pixels. Computers may be selected using the front panel key, keyboard hotkeys, a three-button mouse or wheel mouse, RS232 data commands or the optional remote controller. 1 year manufacturer's warranty. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote!**

SVMS2-DUAL	Adder 2 Computers, Dual Monitor KVM System	456.92
SVMS4-DUAL	Adder 4 Computers, Dual Monitor KVM System	594.23

AdderView CATx and CATxIP 1000 KVM Switches

The AdderView CATx Series is a range of secure, KVM via CATx switches that provide concurrent local, remote or global users with BIOS level control of up to 24 multi-platform servers. The AdderView CATxIP KVM Switch Series provides local and global access for users who need to control multi-platform operating systems and hardware over IP with BIOS level control. **IP Extender versions available, contact your L-com sales representative for details. As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote!**

AVX1008-US	AdderView CATx, Single User, 8 Computer Ports	459.00
AVX1016-US	AdderView CATx, Single User, 16 Computer Ports	595.38
AVX4016	AdderView CATx 4 User, 16 Port Switch	1564.62
AVX4024	AdderView CATx 4 User, 24 Port Switch	1841.54

Adder User Stations and Computer Access Modules

Adder Computer Access Modules (CAMs) allow the user to connect multiple different machine platforms to an Adder CATx switch or KVM extender. Using the CAMs you can control Windows machines, SUN PCs and MACs over the same switch or connect via an extender. Multiple configurations are available for the Adder CAM including USB, PS/2, Audio, VGA etc. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote!**

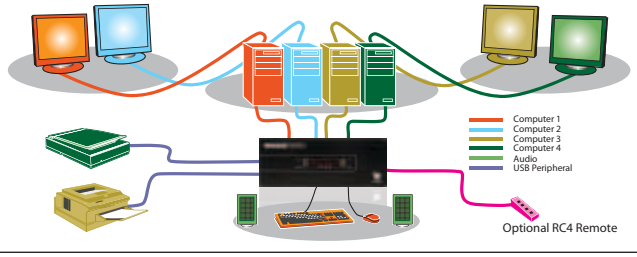
X200R-US	Adder KVM USB User Station, No Audio, No Deskew	323.08
X200A-R-US	Adder KVM USB User Station, with Audio, No Deskew	364.62
X200AS-R-US	Adder KVM USB User Station, with Audio and Deskew	438.46

Adder Command and Control Switch

The Adder Command & Control Switch (CCS4USB) is a professional grade control switch delivering USB True Emulation for use with modern or custom USB peripherals and audio with RS232 control. Includes Free Flow Technology - automated mouse switching designed to work with CCS4USB to automatically switch between target computers simply by moving the mouse pointer from screen to screen and can be configured for almost any combinations of screens. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote!**

CCS4USB	Adder 1x4 USB Keyboard and Mouse Switch with Audio and Free Flow Mouse Switching	456.92

Application diagram for CCS4USB



L-com Global Connectivity

Tips
Easy-to-understand tips to help with some of today's popular product applications. L-com.com/Tips

Item #	Description	List Price

Planet KVM Extender (1 Sender and 1 Receiver Unit) Extend KVM Over Cat5e (or Better) Cabling up to 500 Feet

The KVM-E500 from Planet extends keyboard, monitor and mouse signals up to 500 feet over Cat5e (or better) cabling. This robust extender is guaranteed to provide high video resolution to 1280 x 1024 and features convenient plug and play installation. The KVM-E500 is composed of two units: transmitter and receiver. The transmitter can directly attach to a computer or a KVM switch. The receiver located at the remote site receives the KVM signals and allows user control of a local monitor, mouse and keyboard. **As an authorized Planet reseller, we can bid on RFQs for any Planet part numbers. Contact us to request a non-obligatory quote!**

KVM-E500	Planet Cat5e (or better) KVM Extender	179.98

AdderLink X2 KVM Extenders with Local Console, Extends KVM Over Cat5e (or Better) Cabling up to 1,000 Feet

The AdderLink X2 range of KVM Extenders use the latest technology to deliver perfect video pictures at high resolutions over long distances. Using Cat5e (or better) Cable, the X2 enables you to extend KVM signals up to 300m (1,000 feet). X2s are fitted with a range of advanced features that Adder has developed and enhanced over many years of building robust KVM extenders. Flash upgradeable firmware ensures that the latest upgrades and product enhancements can be readily supported via simple downloads. Great attention has also been paid to the quality of the audio signals to avoid the annoying clicks found on some other KVM extension products. The X2-Gold supports high fidelity bi-directional stereo audio and audio signals are transmitted digitally using 16 bit, 44.1kHz sampling to ensure a low noise level. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote!**

X2-DA-SILVER	AdderLink X2 Silver KVM Extender w/Local Console (Pair) No Audio	687.69
X2-DA-GOLD	AdderLink X2 Gold KVM Extender w/Local Console (Pair)	807.69

AdderLink X Series X-200 Extenders, Extend KVM with Audio Over Cat5e (or Better) Cabling up to 1,000 Feet

Fully featured USB keyboard, video and mouse extender with 44.1kHz digital stereo audio support for two computers. AdderLink X200s have been designed for use in applications where up to two computers can have their keyboard, video, audio and mouse control extended up to 300m (1000 feet) across Cat5e (or better) UTP cable. The AdderLink X200 provides absolute real time keyboard and mouse performance along with hi-definition, hi-resolution video over a VGA interface. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote!**

X200-USB-P-US	AdderLink 100m (330 feet) Extender Pair, USB CAM, No Audio, No De-skew	396.92
X200A-USB-P-US	AdderLink 100m (330 feet) Extender Pair, USB CAM, Audio, No De-skew	456.92
X200AS-USB-P-US	AdderLink 300m (1000 feet) Extender Pair, USB CAM, Audio and De-skew	530.77

AdderLink X Series X-USB PRO Extenders, Extend USB and Video Over Cat5e (or Better) Cabling up to 1,000 Feet

Adder's next generation USB, video and audio extenders deliver sharp, bright and high resolution video images and high quality audio at distances up to 300m (1000ft) over a single Cat5e (or better) cable. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote!**

X-USBPRO-US	AdderLink VGA, Audio and 4-Port USB Hub (Full Speed) Extender to 300m over a Single Cat5e (or better) Cable	826.15
X-USBPRO-MS2-US	AdderLink Dual Head VGA, Audio and 4-Port USB Hub (Full Speed) Extender to 300m over Two Cat5e (or better) Cables	1380.00

AdderLink ipeps KVM Over IP

For Enterprise KVM solutions the AdderLink ipeps (IP Engine per Server) provides a non-blocking global solution by providing each computer with a dedicated KVM-via-IP engine. This can be enhanced by using the ADDER.NET Enterprise Management Software that provides a centralized and secure user access management interface. Where a KVM switch exists without KVM-over-IP functionality, the AdderLink ipeps is ideal for adding global management capabilities. Increasing numbers of computers are being used in remote, stand alone applications such as ATMs and digital signage play out devices. The incredibly small size of the AdderLink ipeps makes it perfect for remote management and control of dispersed computers, meaning that many tasks that would have required an expensive site visit can now be done from anywhere. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote!**

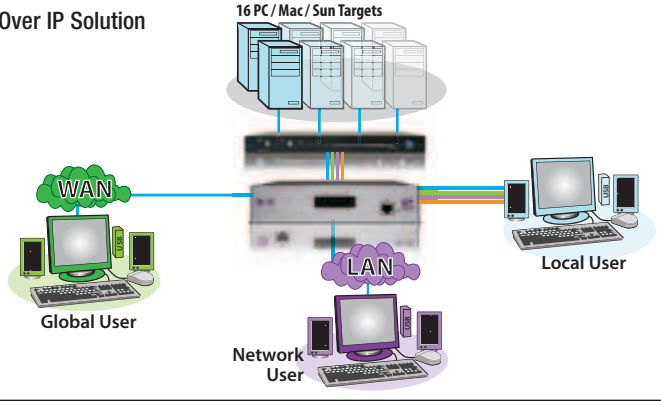
AL-IPEPS	AdderLink ipeps KVM over IP	414.46
AL-IPEPS-DA	AdderLink ipeps KVM over IP (with Local Access)	645.23

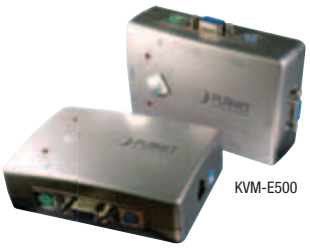
AdderLink IP KVM Over IP

Manage your computers from anywhere in the world with the high-performance AdderLink IP. The AdderLink IP only requires a KVM (keyboard, video, mouse) connection to your computer or KVM switch and doesn't need any custom software to be loaded on your servers. The AdderLink IP is fully compatible with VNC (Virtual Network Computing) and Java based web browsers and doesn't require the purchase of extra software "seat" licenses. Features video modes up to 1280 x 1024 x 75Hz, video captured at 24 bits per pixel, adaptive color depth to match link speed and security features including AES 128 encryption, RSA 2048 authentication, auto logout after selectable inactive period and IP address restriction. Ships with KVM cable, universal power supply and installation CD. Rack mounting kits sold separately. Covered by a 2 year manufacturer's warranty. **As an authorized Adder reseller, we can bid on RFQs for any Adder part numbers. Contact us to request a non-obligatory quote!**

AL-IP	AdderLink IP Stand Alone KVM	918.46
AL-IP-GOLD	AdderLink IP Gold KVM via IP with DVI & USB	1380.00
ADR-RMK4S	AdderLink IP KVM Rack Mount Kit	72.92
ADR-RMK4D	AdderLink IP KVM Dual Rack Mount Kit	109.85

AdderLink IP KVM Over IP Solution




KVM-E500


X2-DA-GOLD



X200A-USB-P-US
X200AS-USB-P-US


X-USBPRO-US


AL-IPEPS


AL-IPEPS-DA


AL-IP (Front and Back views)


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L-com Global Connectivity

Coaxial Cabling Tutorial



What is Coaxial Cabling?

A coaxial cable is a two conductor electrical cable consisting of a center conductor and an outer conductor with an insulating spacer between the two.

How is Coaxial Cabling used?

Primarily, coaxial cables are used for the transmission of Radio Frequency energy. The system offers tight control over electrical impedance. This yields excellent performance at high frequencies and superior EMI control/ shielding.

Where is Coaxial Cabling used?

A broad range of applications exist for coaxial cabling. The two primary impedance values of 50 and 75 Ohms determine specific applications with 50 Ohms primarily used in data signal applications and 75 Ohms used in video signal applications.

Common Applications for Coaxial Cable Assemblies

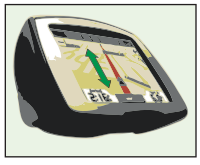


Entertainment Systems

Coaxial cable assemblies are used extensively to connect a wide variety of home and commercial entertainment products. Entertainment equipment such as monitors, TVs, cameras, recording equipment and broadcast equipment are interconnected using coaxial cables.

Common cable types: 75Ω - RG6 or RG59

Common connectors: BNC, F and RCA



GPS

Global Positioning Systems utilize coaxial cable for connections between receiving antennas and other related equipment.

Common cable types: 50Ω - RG58, RG174, RG188 or RG316

Common connectors: TNC, N, MCX, MMCX and SMA

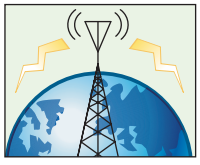


Video Systems

The transmission of a video signal from a video camera to a display monitor is typically through coaxial cable.

Common cable types: 75Ω - RG59, RG59A/U, RG59B/U or RG179

Common connectors: BNC, F and RCA

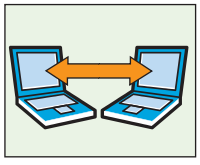


Telecom

The infrastructure of most telecommunication systems relies heavily on coaxial cabling. Cell towers, communications equipment and base station facilities are typical examples of coaxial cable interconnection applications.

Common cable types: 50Ω - RG58, RG223 and RG213

Common connectors: BNC, TNC and Type N



WAN/LAN

Wide Area Networks and Local Area Networks often utilize coaxial cable for equipment interconnections. In addition, reverse polarized connectors are found on many wireless antenna connections.

Common cable types: 50Ω - RG174, RG58

Common connectors: BNC

Coaxial Cabling Terms

Attenuation (Insertion Loss): Loss of power. Attenuation is usually measured in dB loss per length of cable (ex. 31.0 dB/100Ft.). Attenuation increases as frequency increases.

Bend Radius: The amount of radius a cable can bend without any adverse effects.

Center Conductor: The solid or stranded wire in the middle of the coaxial cable. The conductor diameter is measured by the American Wire Gauge (AWG).

Coaxial Adapter: A device used to change one connector type to another or one gender to another (ex. BNC to SMA Adapter).

Coaxial Cable: A two conductor cylindrical transmission line typically comprised of a center conductor, an insulating dielectric material and an outer conductor (shielding). Coaxial cable can be flexible (typical to the assemblies found in this catalog), semi-rigid or rigid in nature.

Coaxial Connector: The interconnection device found at each end of a coaxial cable assembly. There are many common types of coaxial connectors such as: BNC, SMA, SMB, Type F, etc.

Dielectric: The insulating material that separates the center conductor and shielding.

Electromagnetic Interference (EMI): Electrical or electromagnetic energy that disrupts electrical signals.

Frequency: Number of times a periodic action occurs in one second. Measured in Hertz.

Impedance: The opposition to the flow of alternating or varying current. Measured in Ohms. Two common impedance values are 50 Ohms used primarily for data and 75 Ohms used to transmit video signals.

Insertion Loss: A measurement of attenuation determined by the system output before and after the connection of a cable and/or device.

Jack: The female connector usually containing a center socket.

Microwave Frequencies: Microwave frequencies range from Ultra-High Frequency (UHF) .3-3 GHz, Super High Frequency (SHF) 3-30 GHz to Extremely High Frequency (EHF) 30-300 GHz.

MIL-C-17: MIL-C-17 is a specification document that has been used since the 1940s to standardize the physical and electrical characteristics of coaxial cables. There is no longer any control of RG specifications so cables may perform differently than the cables that adhere to MIL-C-17.

Plug: The male connector usually containing a center pin.

RF (Radio Frequency): A frequency band from 3 MHz to 300 GHz. Primarily used for transmission of radio and television signals.

RG/U: A designation that originated with a US Government specification. No longer in effect. Currently used as a general reference. (R=Radio Frequency, G=Guide, U=Universal Specification). Letters that appear before the /U characters (i.e. A, B or C) means a specification modification or revision. For instance, it is common in the CB industry to see the designation RG-58A/U. The original RG-58/U coaxial cable had a solid center conductor. The "A" modification replaced the solid center conductor with a more flexible stranded center conductor (that is highly recommended for use in mobile installations). Other designators often seen are: A = Modification to the Solid Core Material Specification, B = Modification to the Outer Jacket Specification, C = Modification of the Dielectric Insulator Specification. These designators are not precise and specifications may vary from one vendor to another.

Shielding: Conductive envelope made of wires or metal foil that covers the dielectric and the center conductor.

Twinaxial: An offshoot of coaxial cabling. Two center conductors with one dielectric and braided shielding.

Velocity of Propagation (VP): Usually expressed as a percentage, VP is the transmission speed of electrical energy in a determined length of cable compared to the speed of light.

VSWR (Voltage Standing Wave Ratio): The ratio of the maximum effective voltage to the minimum effective voltage measured along a RF transmission line. This value generally increases with frequency and higher values are not desirable.

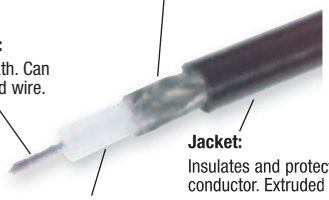
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Typical Coaxial Cabling (Exploded View):



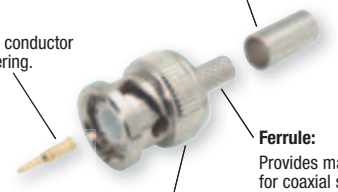
Shielding:
One of the two conductors in coaxial cable. Braid or braid + foil is typical.

Center Conductor:
The main signal path. Can be solid or stranded wire.

Jacket:
Insulates and protects shielding and center conductor. Extruded PVC is typical.

Dielectric:
Insulating material isolates shield from center conductor. This also gives the cable its impedance property.

Typical Coaxial Connector (BNC Exploded View):



Crimp Sleeve:
Provides strain relief by securing braid to connector.

Center Pin:
Terminates to center conductor via crimping or soldering.

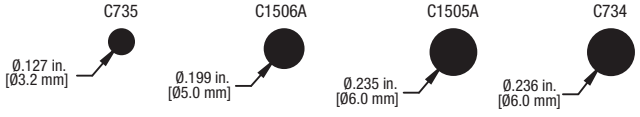
Ferrule:
Provides mating surface for coaxial shielding.

Connector (Plug) Body:
Nickel plated brass is typical.

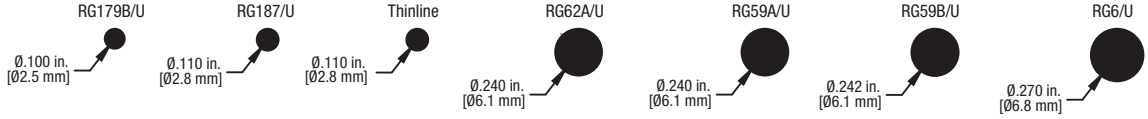
Coaxial Cable Sizing Chart

This chart illustrates the diameter difference between different types of coaxial cable. The drawings below are shown in actual size.

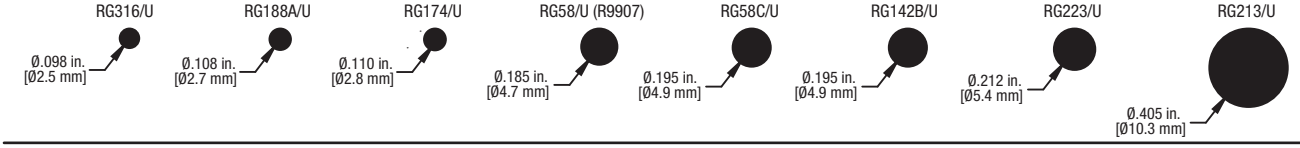
75 Ohm Digital Rated



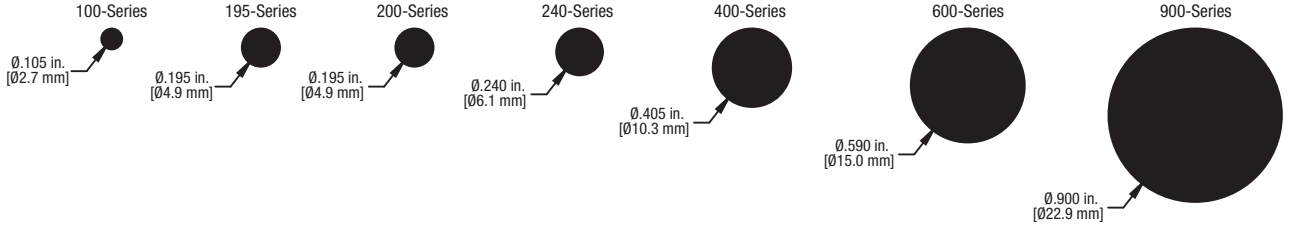
75/98 Ohm RG Coax



50 Ohm RG Coax

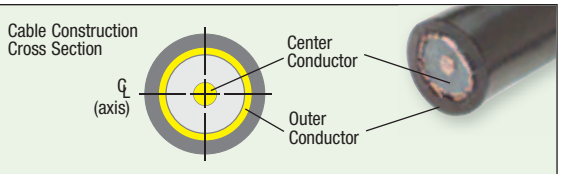


50 Ohm Low-Loss Coax

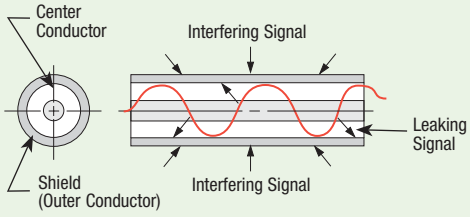


Understanding Coaxial Cable

Coaxial is a term derived from the construction of the cable, as illustrated here. In a coaxial cable an electrical impulse signal is transmitted along the cable length between the center conductor and the outer conductor. The center conductor and the outer conductor share the same center line or axis hence the term coaxial.



Shielding Effectiveness is the relative ability of a shield to screen out undesirable interference. In coaxial cable, the outer conductor provides a shield to keep interfering signals from getting in and to keep signals from leaking out to become undesirable interference for nearby devices. Shielding Effectiveness is measured in dB with higher values indicating better shielding properties. The table below illustrates the relative shielding properties of various shielding types.

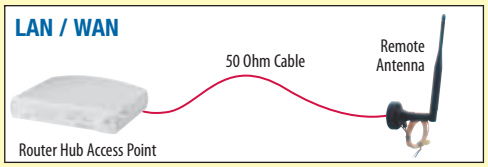


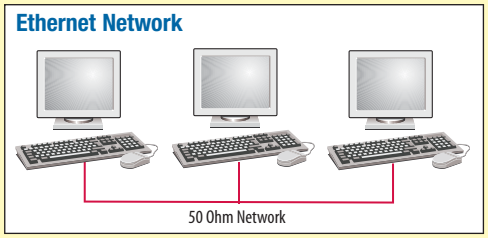
Notice as the shielding density increases there is a correlated increase in the shielding effectiveness value. The best shielding effectiveness value can be found in a rigid coaxial cable due to the solid tube construction of the outer jacket. In this type of cable the limiting factor for shielding effectiveness is the quality of the connector attachment.

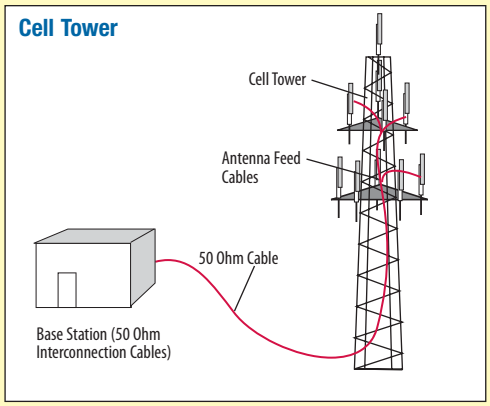
Shielding Type			
Single Braid Shield (95% coverage)	Single Braid Shield (60%) + Foil Wrap (100%)	(2) Braids (60%) + (2) Foil Wraps (100%)	Conformable Cable
Approximate Shielding Effectiveness Value			
-55dB	-90dB	-110dB	-150dB

Tip When is 50 Ohm coaxial cable used?

The primary use of a 50 Ohm coaxial cable is transmission of a data signal in a two-way communication system. Some common applications for 50 Ohm coaxial cable are computer Ethernet backbones, wireless antenna feed cables, GPS (Global Positioning Satellite) antenna feed cables and cell phone systems. The cable assemblies offered in this section cover the most common RG style cables and connector interfaces that are used in these applications.









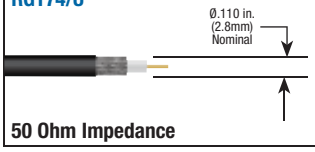
Did you know...

50 Ohm coaxial cables are used primarily with RF antennas and in older Ethernet networks?

Item #	Description	1-9	10-24	25-99	100-249	250-499

RG174/U - 50 Ohm Coaxial Cables with SMA and BNC Connectors and Molded Strain Relief Boots

L-com now offers 50 Ohm, SMA RG174/U coaxial cable assemblies with rugged molded strain relief boots that protect against severe cable bends at the cable/connector egress point. This new L-com exclusive RG174/U molded boot design is a hard to find feature that most coaxial cable manufacturers do not offer. Additionally, L-com stocks 10 standard lengths from .5 (0.15m) to 10ft (3.0m) ready for immediate delivery.



RG174/U

- Center Conductor: 26 (7x34) AWG bare copper covered steel
- Shielding: Tinned copper braid (90% coverage)
- Insulation: Polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +75°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	5.8	19.0
100	8.4	27.6
200	12.5	41.0
400	19.0	62.3
1000	34.0	111.5

RG174/U - 50 Ohm Coaxial Cables with Two Inline SMA Plugs and Molded Strain Relief Boots

CC174S-05	RG174 Cable, SMA Male / Male, 0.5ft (0.15m)	18.00	16.92	15.84	14.76	13.68
CC174S-1	RG174 Cable, SMA Male / Male, 1.0ft (0.3m)	18.15	17.06	15.97	14.88	13.79
CC174S-1.5	RG174 Cable, SMA Male / Male, 1.5ft (0.45m)	18.30	17.20	16.10	15.01	13.91
CC174S-2	RG174 Cable, SMA Male / Male, 2.0ft (0.6m)	18.45	17.34	16.24	15.13	14.02
CC174S-2.5	RG174 Cable, SMA Male / Male, 2.5ft (0.75m)	18.60	17.48	16.37	15.25	14.14
CC174S-3	RG174 Cable, SMA Male / Male, 3.0ft (0.9m)	18.75	17.63	16.50	15.38	14.25
CC174S-4	RG174 Cable, SMA Male / Male, 4.0ft (1.2m)	19.05	17.91	16.76	15.62	14.48
CC174S-5	RG174 Cable, SMA Male / Male, 5.0ft (1.5m)	19.35	18.19	17.03	15.87	14.71
CC174S-7.5	RG174 Cable, SMA Male / Male, 7.5ft (2.3m)	20.10	18.89	17.69	16.48	15.28
CC174S-10	RG174 Cable, SMA Male / Male, 10.0ft (3.0m)	20.85	19.60	18.35	17.10	15.85

RG174/U - 50 Ohm Coaxial Cables with Inline SMA to Right Angle SMA Plugs & Molded Strain Relief Boots

CC174S-05HR	RG174 Cable, SMA Male / 90° Male, 0.5ft (0.15m)	21.50	20.21	18.92	17.63	16.34
CC174S-1HR	RG174 Cable, SMA Male / 90° Male, 1.0ft (0.3m)	21.65	20.35	19.05	17.75	16.45
CC174S-1.5HR	RG174 Cable, SMA Male / 90° Male, 1.5ft (0.45m)	21.80	20.49	19.18	17.88	16.57
CC174S-2.5HR	RG174 Cable, SMA Male / 90° Male, 2.5ft (0.75m)	22.10	20.77	19.45	18.12	16.80
CC174S-5HR	RG174 Cable, SMA Male / 90° Male, 5.0ft (1.5m)	22.85	21.48	20.11	18.74	17.37

RG174/U - 50 Ohm Coaxial Cables with Two Right Angle SMA Plugs and Molded Strain Relief Boots

CC174S-05HR2	RG174 Cable, SMA 90° Male / 90° Male, 0.5ft (0.15m)	26.00	24.44	22.88	21.32	19.76
CC174S-1HR2	RG174 Cable, SMA 90° Male / 90° Male, 1.0ft (0.3m)	26.15	24.58	23.01	21.44	19.87
CC174S-1.5HR2	RG174 Cable, SMA 90° Male / 90° Male, 1.5ft (0.45m)	26.30	24.72	23.14	21.57	19.99
CC174S-2.5HR2	RG174 Cable, SMA 90° Male / 90° Male, 2.5ft (0.75m)	26.60	25.00	23.41	21.81	20.22
CC174S-5HR2	RG174 Cable, SMA 90° Male / 90° Male, 5.0ft (1.5m)	27.35	25.71	24.07	22.43	20.79

RG174/U - 50 Ohm Coaxial Cables with Inline SMA to Inline BNC Plugs and Molded Strain Relief Boots

CC174SB-05	RG174 Cable, SMA Male / BNC Male, 0.5ft (0.15m)	14.00	13.16	12.32	11.48	10.64
CC174SB-1	RG174 Cable, SMA Male / BNC Male, 1.0ft (0.3m)	14.15	13.30	12.45	11.60	10.75
CC174SB-1.5	RG174 Cable, SMA Male / BNC Male, 1.5ft (0.45m)	14.30	13.44	12.58	11.73	10.87
CC174SB-2.5	RG174 Cable, SMA Male / BNC Male, 2.5ft (0.75m)	14.60	13.72	12.85	11.97	11.10
CC174SB-5	RG174 Cable, SMA Male / BNC Male, 5.0ft (1.5m)	15.35	14.43	13.51	12.59	11.67
CC174SB-7.5	RG174 Cable, SMA Male / BNC Male, 7.5ft (2.3m)	16.10	15.13	14.17	13.20	12.24
CC174SB-10	RG174 Cable, SMA Male / BNC Male, 10.0ft (3.0m)	16.85	15.84	14.83	13.82	12.81

RG174/U - 50 Ohm Coaxial Cables with Two Inline BNC Plugs and Molded Strain Relief Boots

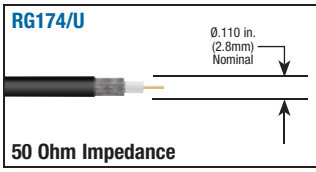
CC174-1	RG174 Cable, BNC Male / Male, 1.0ft (0.3m)	7.00	6.58	6.16	5.74	5.32
CC174-1.5	RG174 Cable, BNC Male / Male, 1.5ft (0.45m)	7.15	6.72	6.29	5.86	5.43
CC174-2	RG174 Cable, BNC Male / Male, 2.0ft (0.6m)	7.30	6.86	6.42	5.99	5.55
CC174-2.5	RG174 Cable, BNC Male / Male, 2.5ft (0.75m)	7.45	7.00	6.56	6.11	5.66
CC174-3	RG174 Cable, BNC Male / Male, 3.0ft (0.9m)	7.60	7.14	6.69	6.23	5.78
CC174-4	RG174 Cable, BNC Male / Male, 4.0ft (1.2m)	7.90	7.43	6.95	6.48	6.00
CC174-5	RG174 Cable, BNC Male / Male, 5.0ft (1.5m)	8.20	7.71	7.22	6.72	6.23
CC174-7.5	RG174 Cable, BNC Male / Male, 7.5ft (2.3m)	8.95	8.41	7.88	7.34	6.80
CC174-10	RG174 Cable, BNC Male / Male, 10.0ft (3.0m)	9.70	9.12	8.54	7.95	7.37
CC174-12	RG174 Cable, BNC Male / Male, 12.0ft (3.7m)	10.30	9.68	9.06	8.45	7.83
CC174-15	RG174 Cable, BNC Male / Male, 15.0ft (4.6m)	11.20	10.53	9.86	9.18	8.51
CC174-25	RG174 Cable, BNC Male / Male, 25.0ft (7.6m)	14.20	13.35	12.50	11.64	10.79

L-com Global Connectivity

RoHS status information
listed online for every product.
L-com.com/RoHS

Item #	Description	1-9	10-24	25-99	100-249	250-499

RG174/U



50 Ohm Impedance

RG174/U
- Center Conductor: 26 (7x34) AWG bare copper covered steel
- Shielding: Tinned copper braid (90% coverage)
- Insulation: Polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +75°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	5.8	19.0
100	8.4	27.6
200	12.5	41.0
400	19.0	62.3
1000	34.0	111.5

RG174/U - 50 Ohm Coaxial Cables with Inline BNC Plug to BNC Jack

CC174-MF-1	RG174 Cable, BNC Male / Female Bulkhead, 1.0ft (0.3m)	14.00	13.16	12.32	11.48	10.64
CC174-MF-3	RG174 Cable, BNC Male / Female Bulkhead, 3.0ft (0.9m)	14.60	13.72	12.85	11.97	11.10
CC174-MF-10	RG174 Cable, BNC Male / Female Bulkhead, 10.0ft (3.0m)	16.70	15.70	14.70	13.69	12.69
CC174-MF-15	RG174 Cable, BNC Male / Female Bulkhead, 15.0ft (4.6m)	18.20	17.11	16.02	14.92	13.83
CC174-MF-25	RG174 Cable, BNC Male / Female Bulkhead, 25.0ft (7.6m)	21.20	19.93	18.66	17.38	16.11

RG174/U - 50 Ohm Coaxial Cables with Inline BNC to Right Angle BNC Plugs

CC174-1HR	RG174 Cable, BNC Male / 90° Male, 1.0ft (0.3m)	10.15	9.54	8.93	8.32	7.71
CC174-1.5HR	RG174 Cable, BNC Male / 90° Male, 1.5ft (0.45m)	10.30	9.68	9.06	8.45	7.83
CC174-2HR	RG174 Cable, BNC Male / 90° Male, 2.0ft (0.6m)	10.45	9.82	9.20	8.57	7.94
CC174-2.5HR	RG174 Cable, BNC Male / 90° Male, 2.5ft (0.75m)	10.60	9.96	9.33	8.69	8.06
CC174-3HR	RG174 Cable, BNC Male / 90° Male, 3.0ft (0.9m)	10.75	10.10	9.46	8.82	8.17
CC174-4HR	RG174 Cable, BNC Male / 90° Male, 4.0ft (1.2m)	11.05	10.39	9.72	9.06	8.40
CC174-5HR	RG174 Cable, BNC Male / 90° Male, 5.0ft (1.5m)	11.35	10.67	9.99	9.31	8.63
CC174-7.5HR	RG174 Cable, BNC Male / 90° Male, 7.5ft (2.3m)	12.10	11.37	10.65	9.92	9.20
CC174-10HR	RG174 Cable, BNC Male / 90° Male, 10.0ft (3.0m)	12.85	12.08	11.31	10.54	9.77

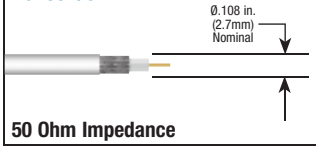
RG174/U - 50 Ohm Coaxial Cables with Two Right Angle BNC Plugs

CC174-05HR2	RG174 Cable, BNC 90° Male / 90° Male, 0.5ft (0.15m)	13.00	12.22	11.44	10.66	9.88
CC174-1HR2	RG174 Cable, BNC 90° Male / 90° Male, 1.0ft (0.3m)	13.15	12.36	11.57	10.78	9.99
CC174-1.5HR2	RG174 Cable, BNC 90° Male / 90° Male, 1.5ft (0.45m)	13.30	12.50	11.70	10.91	10.11
CC174-2HR2	RG174 Cable, BNC 90° Male / 90° Male, 2.0ft (0.6m)	13.45	12.64	11.84	11.03	10.22
CC174-2.5HR2	RG174 Cable, BNC 90° Male / 90° Male, 2.5ft (0.75m)	13.60	12.78	11.97	11.15	10.34
CC174-3HR2	RG174 Cable, BNC 90° Male / 90° Male, 3.0ft (0.9m)	13.75	12.92	12.10	11.28	10.45
CC174-4HR2	RG174 Cable, BNC 90° Male / 90° Male, 4.0ft (1.2m)	14.05	13.21	12.36	11.52	10.68
CC174-5HR2	RG174 Cable, BNC 90° Male / 90° Male, 5.0ft (1.5m)	14.35	13.49	12.63	11.77	10.91
CC174-7.5HR2	RG174 Cable, BNC 90° Male / 90° Male, 7.5ft (2.3m)	15.10	14.19	13.29	12.38	11.48
CC174-10HR2	RG174 Cable, BNC 90° Male / 90° Male, 10.0ft (3.0m)	15.85	14.90	13.95	13.00	12.05

RG188A/U - 50 Ohm Coaxial Cables Hi-Temperature (200°C) with SMA, SMB, SMC and MCX Plugs

L-com carries a full line of RG188A/U cable assemblies with SMA, SMB, SMC and MCX connectors. RG188A/U is similar in size to RG174/U but utilizes a TFE insulator and outer jacket to achieve a high operating temperature. Right angle configurations are offered on the SMA and MCX connectors.

RG188A/U



50 Ohm Impedance

RG188A/U
- Center Conductor: 26 (7x34) AWG silver coated copper covered steel
- Shielding: Silver coated copper braid (96% coverage)
- Insulation: TFE Teflon
- Jacket: White TFE taped
- Operating Temperature: -70°C - +200°C VW-1 vertical flame test compliant

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	5.6	18.4
100	8.3	27.2
200	12.0	39.4
400	17.5	57.4
1000	29.0	95.1

RG188A/U - 50 Ohm Hi-Temperature Coaxial Cables with Two Inline SMA Plugs

CCS188A-1	RG188 Cable, SMA Male / Male, 1.0ft (0.3m)	15.00	14.40	13.80	13.20	12.60
CCS188A-1.5	RG188 Cable, SMA Male / Male, 1.5ft (0.45m)	15.50	14.88	14.26	13.64	13.02
CCS188A-2	RG188 Cable, SMA Male / Male, 2.0ft (0.6m)	16.00	15.36	14.72	14.08	13.44
CCS188A-2.5	RG188 Cable, SMA Male / Male, 2.5ft (0.75m)	16.50	15.84	15.18	14.52	13.86
CCS188A-3	RG188 Cable, SMA Male / Male, 3.0ft (0.9m)	17.00	16.32	15.64	14.96	14.28
CCS188A-4	RG188 Cable, SMA Male / Male, 4.0ft (1.2m)	18.00	17.28	16.56	15.84	15.12
CCS188A-5	RG188 Cable, SMA Male / Male, 5.0ft (1.5m)	19.00	18.24	17.48	16.72	15.96
CCS188A-7.5	RG188 Cable, SMA Male / Male, 7.5ft (2.3m)	21.50	20.64	19.78	18.92	18.06
CCS188A-10	RG188 Cable, SMA Male / Male, 10.0ft (3.0m)	24.00	23.04	22.08	21.12	20.16

RG188A/U - 50 Ohm Hi-Temperature Coaxial Cables with Inline SMA to Right Angle SMA Plug

CCSHR188A-1	RG188 Cable, SMA Male / 90° Male, 1.0ft (0.3m)	17.00	16.32	15.64	14.96	14.28
CCSHR188A-1.5	RG188 Cable, SMA Male / 90° Male, 1.5ft (0.45m)	17.50	16.80	16.10	15.40	14.70
CCSHR188A-2	RG188 Cable, SMA Male / 90° Male, 2.0ft (0.6m)	18.00	17.28	16.56	15.84	15.12
CCSHR188A-2.5	RG188 Cable, SMA Male / 90° Male, 2.5ft (0.75m)	18.50	17.76	17.02	16.28	15.54
CCSHR188A-3	RG188 Cable, SMA Male / 90° Male, 3.0ft (0.9m)	19.00	18.24	17.48	16.72	15.96
CCSHR188A-4	RG188 Cable, SMA Male / 90° Male, 4.0ft (1.2m)	20.00	19.20	18.40	17.60	16.80
CCSHR188A-5	RG188 Cable, SMA Male / 90° Male, 5.0ft (1.5m)	21.00	20.16	19.32	18.48	17.64
CCSHR188A-7.5	RG188 Cable, SMA Male / 90° Male, 7.5ft (2.3m)	23.50	22.56	21.62	20.68	19.74
CCSHR188A-10	RG188 Cable, SMA Male / 90° Male, 10.0ft (3.0m)	26.00	24.96	23.92	22.88	21.84

RG188A/U - 50 Ohm Hi-Temperature Coaxial Cables with Two Right Angle SMA Plugs

CCSR188A-1	RG188 Cable, SMA 90° Male / 90° Male, 1.0ft (0.3m)	20.00	19.20	18.40	17.60	16.80
CCSR188A-1.5	RG188 Cable, SMA 90° Male / 90° Male, 1.5ft (0.45m)	20.50	19.68	18.86	18.04	17.22
CCSR188A-2	RG188 Cable, SMA 90° Male / 90° Male, 2.0ft (0.6m)	21.00	20.16	19.32	18.48	17.64
CCSR188A-2.5	RG188 Cable, SMA 90° Male / 90° Male, 2.5ft (0.75m)	21.50	20.64	19.78	18.92	18.06
CCSR188A-3	RG188 Cable, SMA 90° Male / 90° Male, 3.0ft (0.9m)	22.00	21.12	20.24	19.36	18.48
CCSR188A-4	RG188 Cable, SMA 90° Male / 90° Male, 4.0ft (1.2m)	23.00	22.08	21.16	20.24	19.32
CCSR188A-5	RG188 Cable, SMA 90° Male / 90° Male, 5.0ft (1.5m)	24.00	23.04	22.08	21.12	20.16
CCSR188A-7.5	RG188 Cable, SMA 90° Male / 90° Male, 7.5ft (2.3m)	26.50	25.44	24.38	23.32	22.26
CCSR188A-10	RG188 Cable, SMA 90° Male / 90° Male, 10.0ft (3.0m)	29.00	27.84	26.68	25.52	24.36



Same day shipping
Orders placed before 4:00 EST
ship the same day.

L-com® Global Connectivity


CCSB188A


CCSC188A


CCSM188A

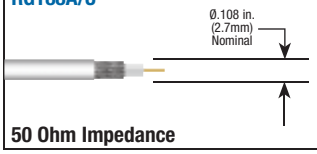

CCS316


CCSHR316


CCSR316

Item #	Description	1-9	10-24	25-99	100-249	250-499

RG188A/U



50 Ohm Impedance

RG188A/U

- Center Conductor: 26 (7x34) AWG silver coated copper covered steel
- Shielding: Silver coated copper braid (96% coverage)
- Insulation: TFE Teflon
- Jacket: White TFE taped
- Operating Temperature: -70°C - +200°C VW-1 vertical flame test compliant

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	5.6	18.4
100	8.3	27.2
200	12.0	39.4
400	17.5	57.4
1000	29.0	95.1

RG188A/U - 50 Ohm Hi-Temperature Coaxial Cables with Two Inline SMB Plugs

CCSB188A-1	RG188 Cable, SMB Plug / Plug, 1.0ft (0.3m)	26.50	25.44	24.38	23.32	22.26
CCSB188A-1.5	RG188 Cable, SMB Plug / Plug, 1.5ft (0.45m)	27.00	25.92	24.84	23.76	22.68
CCSB188A-2	RG188 Cable, SMB Plug / Plug, 2.0ft (0.6m)	27.50	26.40	25.30	24.20	23.10
CCSB188A-2.5	RG188 Cable, SMB Plug / Plug, 2.5ft (0.75m)	28.00	26.88	25.76	24.64	23.52
CCSB188A-3	RG188 Cable, SMB Plug / Plug, 3.0ft (0.9m)	28.50	27.36	26.22	25.08	23.94
CCSB188A-4	RG188 Cable, SMB Plug / Plug, 4.0ft (1.2m)	29.50	28.32	27.14	25.96	24.78
CCSB188A-5	RG188 Cable, SMB Plug / Plug, 5.0ft (1.5m)	30.50	29.28	28.06	26.84	25.62
CCSB188A-7.5	RG188 Cable, SMB Plug / Plug, 7.5ft (2.3m)	33.00	31.68	30.36	29.04	27.72
CCSB188A-10	RG188 Cable, SMB Plug / Plug, 10.0ft (3.0m)	35.50	34.08	32.66	31.24	29.82

RG188A/U - 50 Ohm Hi-Temperature Coaxial Cables with Two Inline SMC Plugs

CCSC188A-1	RG188 Cable, SMC Plug / Plug, 1.0ft (0.3m)	26.50	25.44	24.38	23.32	22.26
CCSC188A-1.5	RG188 Cable, SMC Plug / Plug, 1.5ft (0.45m)	27.00	25.92	24.84	23.76	22.68
CCSC188A-2	RG188 Cable, SMC Plug / Plug, 2.0ft (0.6m)	27.50	26.40	25.30	24.20	23.10
CCSC188A-2.5	RG188 Cable, SMC Plug / Plug, 2.5ft (0.75m)	28.00	26.88	25.76	24.64	23.52
CCSC188A-3	RG188 Cable, SMC Plug / Plug, 3.0ft (0.9m)	28.50	27.36	26.22	25.08	23.94
CCSC188A-4	RG188 Cable, SMC Plug / Plug, 4.0ft (1.2m)	29.50	28.32	27.14	25.96	24.78
CCSC188A-5	RG188 Cable, SMC Plug / Plug, 5.0ft (1.5m)	30.50	29.28	28.06	26.84	25.62
CCSC188A-7.5	RG188 Cable, SMC Plug / Plug, 7.5ft (2.3m)	33.00	31.68	30.36	29.04	27.72
CCSC188A-10	RG188 Cable, SMC Plug / Plug, 10.0ft (3.0m)	35.50	34.08	32.66	31.24	29.82

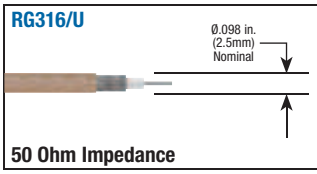
RG188A/U - 50 Ohm Hi-Temperature Coaxial Cables with Two Right Angle MCX Plugs

CCSM188A-1	RG188 Cable, MCX 90° Plug / 90° Plug, 1.0ft (0.3m)	26.50	25.44	24.38	23.32	22.26
CCSM188A-1.5	RG188 Cable, MCX 90° Plug / 90° Plug, 1.5ft (0.45m)	27.00	25.92	24.84	23.76	22.68
CCSM188A-2	RG188 Cable, MCX 90° Plug / 90° Plug, 2.0ft (0.6m)	27.50	26.40	25.30	24.20	23.10
CCSM188A-2.5	RG188 Cable, MCX 90° Plug / 90° Plug, 2.5ft (0.75m)	28.00	26.88	25.76	24.64	23.52
CCSM188A-3	RG188 Cable, MCX 90° Plug / 90° Plug, 3.0ft (0.9m)	28.50	27.36	26.22	25.08	23.94
CCSM188A-4	RG188 Cable, MCX 90° Plug / 90° Plug, 4.0ft (1.2m)	29.50	28.32	27.14	25.96	24.78
CCSM188A-5	RG188 Cable, MCX 90° Plug / 90° Plug, 5.0ft (1.5m)	30.50	29.28	28.06	26.84	25.62
CCSM188A-7.5	RG188 Cable, MCX 90° Plug / 90° Plug, 7.5ft (2.3m)	33.00	31.68	30.36	29.04	27.72
CCSM188A-10	RG188 Cable, MCX 90° Plug / 90° Plug, 10.0ft (3.0m)	35.50	34.08	32.66	31.24	29.82

RG316/U - 50 Ohm Coaxial Cables Hi-Temperature (200°C) with SMA, SMB, SMC and MCX Plugs

L-com carries a full line of RG316/U cable assemblies with SMA, SMB, SMC and MCX connectors. RG316/U is similar in size to RG174/U but utilizes a TFE insulator and FEP outer jacket to achieve a high operating temperature. Right angle configurations are offered on the SMA and MCX connectors.

RG316/U



50 Ohm Impedance

RG316/U

- Center Conductor: 26 (7x34) AWG silver coated copper covered steel
- Shielding: Silver coated copper braid (95% coverage)
- Insulation: TFE Teflon
- Jacket: Brown FEP
- Operating Temperature: -70°C - +200°C VW-1 vertical flame test compliant

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	5.6	18.4
100	8.3	27.2
200	12.0	39.4
400	17.5	57.4
1000	29.0	95.1

RG316/U - 50 Ohm Hi-Temperature Coaxial Cables with Two Inline SMA Plugs

CCS316-08	RG316 Cable, SMA Male / Male, 0.67ft (0.2m)	14.65	14.06	13.48	12.89	12.31
CCS316-1	RG316 Cable, SMA Male / Male, 1.0ft (0.3m)	15.00	14.40	13.80	13.20	12.60
CCS316-1.5	RG316 Cable, SMA Male / Male, 1.5ft (0.45m)	15.50	14.88	14.26	13.64	13.02
CCS316-2	RG316 Cable, SMA Male / Male, 2.0ft (0.6m)	16.00	15.36	14.72	14.08	13.44
CCS316-2.5	RG316 Cable, SMA Male / Male, 2.5ft (0.75m)	16.50	15.84	15.18	14.52	13.86
CCS316-3	RG316 Cable, SMA Male / Male, 3.0ft (0.9m)	17.00	16.32	15.64	14.96	14.28
CCS316-4	RG316 Cable, SMA Male / Male, 4.0ft (1.2m)	18.00	17.28	16.56	15.84	15.12
CCS316-5	RG316 Cable, SMA Male / Male, 5.0ft (1.5m)	19.00	18.24	17.48	16.72	15.96
CCS316-7.5	RG316 Cable, SMA Male / Male, 7.5ft (2.3m)	21.50	20.64	19.78	18.92	18.06
CCS316-10	RG316 Cable, SMA Male / Male, 10.0ft (3.0m)	24.00	23.04	22.08	21.12	20.16

RG316/U - 50 Ohm Hi-Temperature Coaxial Cables with Inline SMA to Right Angle SMA Plug

CCSHR316-1	RG316 Cable, SMA Male / 90° Male, 1.0ft (0.3m)	17.00	16.32	15.64	14.96	14.28
CCSHR316-1.5	RG316 Cable, SMA Male / 90° Male, 1.5ft (0.45m)	17.50	16.80	16.10	15.40	14.70
CCSHR316-2	RG316 Cable, SMA Male / 90° Male, 2.0ft (0.6m)	18.00	17.28	16.56	15.84	15.12
CCSHR316-2.5	RG316 Cable, SMA Male / 90° Male, 2.5ft (0.75m)	18.50	17.76	17.02	16.28	15.54
CCSHR316-3	RG316 Cable, SMA Male / 90° Male, 3.0ft (0.9m)	19.00	18.24	17.48	16.72	15.96
CCSHR316-4	RG316 Cable, SMA Male / 90° Male, 4.0ft (1.2m)	20.00	19.20	18.40	17.60	16.80
CCSHR316-5	RG316 Cable, SMA Male / 90° Male, 5.0ft (1.5m)	21.00	20.16	19.32	18.48	17.64
CCSHR316-7.5	RG316 Cable, SMA Male / 90° Male, 7.5ft (2.3m)	23.50	22.56	21.62	20.68	19.74
CCSHR316-10	RG316 Cable, SMA Male / 90° Male, 10.0ft (3.0m)	26.00	24.96	23.92	22.88	21.84

RG316/U - 50 Ohm Hi-Temperature Coaxial Cables with Two Right Angle SMA Plugs

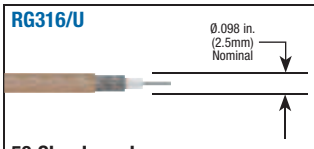
CCSR316-1	RG316 Cable, SMA 90° Male / 90° Male, 1.0ft (0.3m)	20.00	19.20	18.40	17.60	16.80
CCSR316-1.5	RG316 Cable, SMA 90° Male / 90° Male, 1.5ft (0.45m)	20.50	19.68	18.86	18.04	17.22
CCSR316-2	RG316 Cable, SMA 90° Male / 90° Male, 2.0ft (0.6m)	21.00	20.16	19.32	18.48	17.64
CCSR316-2.5	RG316 Cable, SMA 90° Male / 90° Male, 2.5ft (0.75m)	21.50	20.64	19.78	18.92	18.06
CCSR316-3	RG316 Cable, SMA 90° Male / 90° Male, 3.0ft (0.9m)	22.00	21.12	20.24	19.36	18.48
CCSR316-4	RG316 Cable, SMA 90° Male / 90° Male, 4.0ft (1.2m)	23.00	22.08	21.16	20.24	19.32
CCSR316-5	RG316 Cable, SMA 90° Male / 90° Male, 5.0ft (1.5m)	24.00	23.04	22.08	21.12	20.16
CCSR316-7.5	RG316 Cable, SMA 90° Male / 90° Male, 7.5ft (2.3m)	26.50	25.44	24.38	23.32	22.26
CCSR316-10	RG316 Cable, SMA 90° Male / 90° Male, 10.0ft (3.0m)	29.00	27.84	26.68	25.52	24.36

L-com® Global Connectivity

Free technical support
Call toll free at 1-800-343-1455
if you have questions about your application.

Item #	Description	1-9	10-24	25-99	100-249	250-499

RG316/U



50 Ohm Impedance

RG316/U
- Center Conductor: 26 (7x34) AWG silver coated copper covered steel
- Shielding: Silver coated copper braid (95% coverage)
- Insulation: TFE Teflon
- Jacket: Brown FEP
- Operating Temperature: -70°C - +200°C VW-1 vertical flame test compliant

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	5.6	18.4
100	8.3	27.2
200	12.0	39.4
400	17.5	57.4
1000	29.0	95.1

RG316/U - 50 Ohm Hi-Temperature Coaxial Cables with Two Inline SMB Plugs

CCSB316-1	RG316 Cable, SMB Plug / Plug, 1.0ft (0.3m)	26.50	25.44	24.38	23.32	22.26
CCSB316-1.5	RG316 Cable, SMB Plug / Plug, 1.5ft (0.45m)	27.00	25.92	24.84	23.76	22.68
CCSB316-2	RG316 Cable, SMB Plug / Plug, 2.0ft (0.6m)	27.50	26.40	25.30	24.20	23.10
CCSB316-2.5	RG316 Cable, SMB Plug / Plug, 2.5ft (0.75m)	28.00	26.88	25.76	24.64	23.52
CCSB316-3	RG316 Cable, SMB Plug / Plug, 3.0ft (0.9m)	28.50	27.36	26.22	25.08	23.94
CCSB316-4	RG316 Cable, SMB Plug / Plug, 4.0ft (1.2m)	29.50	28.32	27.14	25.96	24.78
CCSB316-5	RG316 Cable, SMB Plug / Plug, 5.0ft (1.5m)	30.50	29.28	28.06	26.84	25.62
CCSB316-7.5	RG316 Cable, SMB Plug / Plug, 7.5ft (2.3m)	33.00	31.68	30.36	29.04	27.72
CCSB316-10	RG316 Cable, SMB Plug / Plug, 10.0ft (3.0m)	35.50	34.08	32.66	31.24	29.82

RG316/U - 50 Ohm Hi-Temperature Coaxial Cables with Two Inline SMC Plugs

CCSC316-1	RG316 Cable, SMC Plug / Plug, 1.0ft (0.3m)	26.50	25.44	24.38	23.32	22.26
CCSC316-1.5	RG316 Cable, SMC Plug / Plug, 1.5ft (0.45m)	27.00	25.92	24.84	23.76	22.68
CCSC316-2	RG316 Cable, SMC Plug / Plug, 2.0ft (0.6m)	27.50	26.40	25.30	24.20	23.10
CCSC316-2.5	RG316 Cable, SMC Plug / Plug, 2.5ft (0.75m)	28.00	26.88	25.76	24.64	23.52
CCSC316-3	RG316 Cable, SMC Plug / Plug, 3.0ft (0.9m)	28.50	27.36	26.22	25.08	23.94
CCSC316-4	RG316 Cable, SMC Plug / Plug, 4.0ft (1.2m)	29.50	28.32	27.14	25.96	24.78
CCSC316-5	RG316 Cable, SMC Plug / Plug, 5.0ft (1.5m)	30.50	29.28	28.06	26.84	25.62
CCSC316-7.5	RG316 Cable, SMC Plug / Plug, 7.5ft (2.3m)	33.00	31.68	30.36	29.04	27.72
CCSC316-10	RG316 Cable, SMC Plug / Plug, 10.0ft (3.0m)	35.50	34.08	32.66	31.24	29.82

RG316/U - 50 Ohm Hi-Temperature Coaxial Cables with Two Right Angle MCX Plugs

CCSM316-1	RG316 Cable, MCX 90° Plug / 90° Plug, 1.0ft (0.3m)	26.50	25.44	24.38	23.32	22.26
CCSM316-1.5	RG316 Cable, MCX 90° Plug / 90° Plug, 1.5ft (0.45m)	27.00	25.92	24.84	23.76	22.68
CCSM316-2	RG316 Cable, MCX 90° Plug / 90° Plug, 2.0ft (0.6m)	27.50	26.40	25.30	24.20	23.10
CCSM316-2.5	RG316 Cable, MCX 90° Plug / 90° Plug, 2.5ft (0.75m)	28.00	26.88	25.76	24.64	23.52
CCSM316-3	RG316 Cable, MCX 90° Plug / 90° Plug, 3.0ft (0.9m)	28.50	27.36	26.22	25.08	23.94
CCSM316-4	RG316 Cable, MCX 90° Plug / 90° Plug, 4.0ft (1.2m)	29.50	28.32	27.14	25.96	24.78
CCSM316-5	RG316 Cable, MCX 90° Plug / 90° Plug, 5.0ft (1.5m)	30.50	29.28	28.06	26.84	25.62
CCSM316-7.5	RG316 Cable, MCX 90° Plug / 90° Plug, 7.5ft (2.3m)	33.00	31.68	30.36	29.04	27.72
CCSM316-10	RG316 Cable, MCX 90° Plug / 90° Plug, 10.0ft (3.0m)	35.50	34.08	32.66	31.24	29.82

RG58C/U - 50 Ohm Coaxial Cables with BNC, SMA and TNC Connectors

L-com offers a wide variety of RG58C/U cable assemblies utilizing BNC, SMA and TNC connectors as shown here and on the next page. RG58C/U cable is one of the most commonly used 50 Ohm cables. In addition to inline configurations L-com offers right angle and female bulkheads. All BNC connectors feature a molded strain relief while the SMA connectors utilize shrink tubing for strain relief.

RG58C/U



50 Ohm Impedance

RG58C/U
- Center Conductor: 20 (19 x 33) AWG tinned copper
- Shielding: Tinned copper braid (95% coverage)
- Insulation: Polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +85°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	3.3	10.8
100	4.9	16.1
200	7.3	23.9
400	11.0	36.1
1000	20.0	65.6

RG58C/U - 50 Ohm Coaxial Cables with Two Inline BNC Plugs

CC58C-05	RG58C Cable, BNC Male / Male, 0.5ft (0.15m)	7.15	6.72	6.29	5.86	5.43
CC58C-1	RG58C Cable, BNC Male / Male, 1.0ft (0.3m)	7.30	6.86	6.42	5.99	5.55
CC58C-1.5	RG58C Cable, BNC Male / Male, 1.5ft (0.45m)	7.45	7.00	6.56	6.11	5.66
CC58C-2	RG58C Cable, BNC Male / Male, 2.0ft (0.6m)	7.60	7.14	6.69	6.23	5.78
CC58C-2.5	RG58C Cable, BNC Male / Male, 2.5ft (0.75m)	7.75	7.28	6.82	6.36	5.89
CC58C-3	RG58C Cable, BNC Male / Male, 3.0ft (0.9m)	7.90	7.43	6.95	6.48	6.00
CC58C-4	RG58C Cable, BNC Male / Male, 4.0ft (1.2m)	8.20	7.71	7.22	6.72	6.23
CC58C-5	RG58C Cable, BNC Male / Male, 5.0ft (1.5m)	8.50	7.99	7.48	6.97	6.46
CC58C-6	RG58C Cable, BNC Male / Male, 6.0ft (1.8m)	8.80	8.27	7.74	7.22	6.69
CC58C-7.5	RG58C Cable, BNC Male / Male, 7.5ft (2.3m)	9.25	8.70	8.14	7.59	7.03
CC58C-10	RG58C Cable, BNC Male / Male, 10.0ft (3.0m)	10.00	9.40	8.80	8.20	7.60
CC58C-12	RG58C Cable, BNC Male / Male, 12.0ft (3.7m)	10.60	9.96	9.33	8.69	8.06
CC58C-15	RG58C Cable, BNC Male / Male, 15.0ft (4.6m)	11.50	10.81	10.12	9.43	8.74
CC58C-25	RG58C Cable, BNC Male / Male, 25.0ft (7.6m)	14.50	13.63	12.76	11.89	11.02
CC58C-50	RG58C Cable, BNC Male / Male, 50.0ft (15.2m)	22.00	20.68	19.36	18.04	16.72
CC58C-75	RG58C Cable, BNC Male / Male, 75.0ft (22.9m)	29.50	27.73	25.96	24.19	22.42
CC58C-100	RG58C Cable, BNC Male / Male, 100.0ft (30.5m)	37.00	34.78	32.56	30.34	28.12
CC58C-150	RG58C Cable, BNC Male / Male, 150.0ft (45.7m)	52.00	48.88	45.76	42.64	39.52
CC58C-200	RG58C Cable, BNC Male / Male, 200.0ft (60.1m)	67.00	62.98	58.96	54.94	50.92

RG58C/U - 50 Ohm Coaxial Cables with Inline BNC Plug to BNC Jack

CC58C-MF-1	RG58C Cable, BNC Male / Female Bulkhead, 1.0ft (0.3m)	13.90	13.07	12.23	11.40	10.56
CC58C-MF-3	RG58C Cable, BNC Male / Female Bulkhead, 3.0ft (0.9m)	14.50	13.63	12.76	11.89	11.02
CC58C-MF-6	RG58C Cable, BNC Male / Female Bulkhead, 6.0ft (1.8m)	15.40	14.48	13.55	12.63	11.70
CC58C-MF-10	RG58C Cable, BNC Male / Female Bulkhead, 10.0ft (3.0m)	16.60	15.60	14.61	13.61	12.62
CC58C-MF-15	RG58C Cable, BNC Male / Female Bulkhead, 15.0ft (4.6m)	18.10	17.01	15.93	14.84	13.76
CC58C-MF-25	RG58C Cable, BNC Male / Female Bulkhead, 25.0ft (7.6m)	21.10	19.83	18.57	17.30	16.04
CC58C-MF-50	RG58C Cable, BNC Male / Female Bulkhead, 50.0ft (15.2m)	28.60	26.88	25.17	23.45	21.74


CCSB316


CCSC316


CCSM316

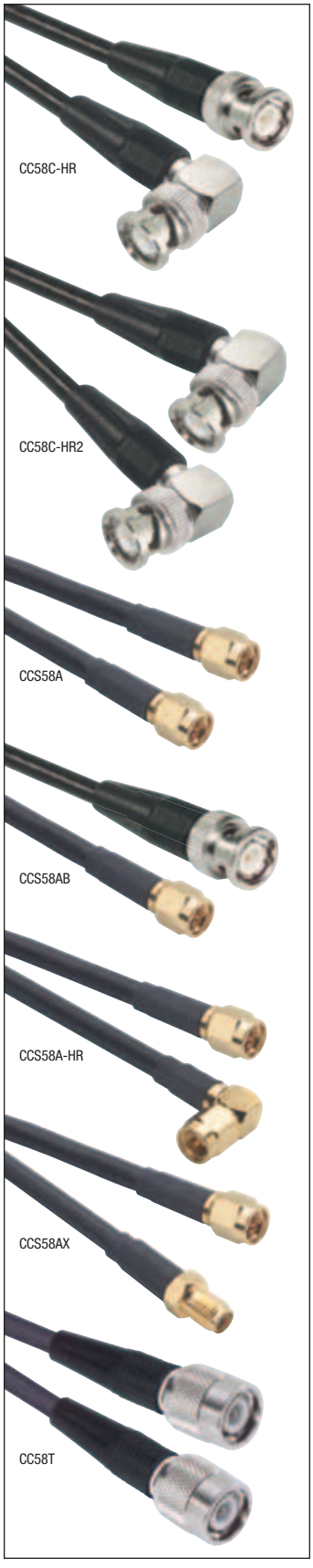
Did you know...

The difference between 50 and 75 Ohm BNC connectors is the absence of dielectric material at the interface of the 75 Ohm version?


CC58C

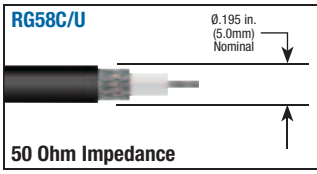

CC58C-MF

Informative e-mail newsletters
Our newsletters are packed with tips, tutorials, product info and downloads! L-com.com/Newsletter



Item #	Description	1-9	10-24	25-99	100-249	250-499

RG58C/U



50 Ohm Impedance

RG58C/U
- Center Conductor: 20 (19 x 33) AWG tinned copper
- Shielding: Tinned copper braid (95% coverage)
- Insulation: Polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +85°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	3.3	10.8
100	4.9	16.1
200	7.3	23.9
400	11.0	36.1
1000	20.0	65.6

RG58C/U - 50 Ohm Coaxial Cables with Inline BNC to Right Angle BNC Plugs

CC58C-1HR	RG58C Cable, BNC Male / 90° Male, 1.0ft (0.3m)	10.45	9.82	9.20	8.57	7.94
CC58C-1.5HR	RG58C Cable, BNC Male / 90° Male, 1.5ft (0.45m)	10.60	9.96	9.33	8.69	8.06
CC58C-2HR	RG58C Cable, BNC Male / 90° Male, 2.0ft (0.6m)	10.75	10.10	9.46	8.82	8.17
CC58C-2.5HR	RG58C Cable, BNC Male / 90° Male, 2.5ft (0.75m)	10.90	10.25	9.59	8.94	8.28
CC58C-3HR	RG58C Cable, BNC Male / 90° Male, 3.0ft (0.9m)	11.05	10.39	9.72	9.06	8.40
CC58C-4HR	RG58C Cable, BNC Male / 90° Male, 4.0ft (1.2m)	11.35	10.67	9.99	9.31	8.63
CC58C-5HR	RG58C Cable, BNC Male / 90° Male, 5.0ft (1.5m)	11.65	10.95	10.25	9.55	8.85
CC58C-7.5HR	RG58C Cable, BNC Male / 90° Male, 7.5ft (2.3m)	12.40	11.66	10.91	10.17	9.42
CC58C-10HR	RG58C Cable, BNC Male / 90° Male, 10.0ft (3.0m)	13.15	12.36	11.57	10.78	9.99

RG58C/U - 50 Ohm Coaxial Cables with Two Right Angle BNC Plugs

CC58C-1HR2	RG58C Cable, BNC 90° Male / 90° Male, 1.0ft (0.3m)	12.50	11.75	11.00	10.25	9.50
CC58C-1.5HR2	RG58C Cable, BNC 90° Male / 90° Male, 1.5ft (0.45m)	12.65	11.89	11.13	10.37	9.61
CC58C-2HR2	RG58C Cable, BNC 90° Male / 90° Male, 2.0ft (0.6m)	12.80	12.03	11.26	10.50	9.73
CC58C-2.5HR2	RG58C Cable, BNC 90° Male / 90° Male, 2.5ft (0.75m)	12.95	12.17	11.40	10.62	9.84
CC58C-3HR2	RG58C Cable, BNC 90° Male / 90° Male, 3.0ft (0.9m)	13.10	12.31	11.53	10.74	9.96
CC58C-4HR2	RG58C Cable, BNC 90° Male / 90° Male, 4.0ft (1.2m)	13.40	12.60	11.79	10.99	10.18
CC58C-5HR2	RG58C Cable, BNC 90° Male / 90° Male, 5.0ft (1.5m)	13.70	12.88	12.06	11.23	10.41
CC58C-7.5HR2	RG58C Cable, BNC 90° Male / 90° Male, 7.5ft (2.3m)	14.45	13.58	12.72	11.85	10.98
CC58C-10HR2	RG58C Cable, BNC 90° Male / 90° Male, 10.0ft (3.0m)	15.20	14.29	13.38	12.46	11.55
CC58C-15HR2	RG58C Cable, BNC 90° Male / 90° Male, 15.0ft (4.6m)	16.70	15.70	14.70	13.69	12.69
CC58C-20HR2	RG58C Cable, BNC 90° Male / 90° Male, 20.0ft (6.1m)	18.20	17.11	16.02	14.92	13.83

RG58C/U - 50 Ohm Coaxial Cables with Two Inline SMA Plugs

CCS58A-05	RG58C Cable, SMA Male / Male, 0.5ft (0.15m)	14.55	13.68	12.80	11.93	11.06
CCS58A-1	RG58C Cable, SMA Male / Male, 1.0ft (0.3m)	14.70	13.82	12.94	12.05	11.17
CCS58A-1.5	RG58C Cable, SMA Male / Male, 1.5ft (0.45m)	14.85	13.96	13.07	12.18	11.29
CCS58A-2	RG58C Cable, SMA Male / Male, 2.0ft (0.6m)	15.00	14.10	13.20	12.30	11.40
CCS58A-2.5	RG58C Cable, SMA Male / Male, 2.5ft (0.75m)	15.15	14.24	13.33	12.42	11.51
CCS58A-3	RG58C Cable, SMA Male / Male, 3.0ft (0.9m)	15.30	14.38	13.46	12.55	11.63
CCS58A-4	RG58C Cable, SMA Male / Male, 4.0ft (1.2m)	16.00	15.04	14.08	13.12	12.16
CCS58A-5	RG58C Cable, SMA Male / Male, 5.0ft (1.5m)	16.30	15.32	14.34	13.37	12.39
CCS58A-7.5	RG58C Cable, SMA Male / Male, 7.5ft (2.3m)	16.67	15.67	14.67	13.67	12.67
CCS58A-10	RG58C Cable, SMA Male / Male, 10.0ft (3.0m)	17.80	16.73	15.66	14.60	13.53

RG58C/U - 50 Ohm Coaxial Cables with Inline SMA to Inline BNC Plugs

CCS58AB-05	RG58C Cable, SMA Male / BNC Male, 0.5ft (0.15m)	12.25	11.51	10.78	10.04	9.31
CCS58AB-1	RG58C Cable, SMA Male / BNC Male, 1.0ft (0.3m)	12.40	11.66	10.91	10.17	9.42
CCS58AB-1.5	RG58C Cable, SMA Male / BNC Male, 1.5ft (0.45m)	12.55	11.80	11.04	10.29	9.54
CCS58AB-2.5	RG58C Cable, SMA Male / BNC Male, 2.5ft (0.75m)	12.85	12.08	11.31	10.54	9.77
CCS58AB-5	RG58C Cable, SMA Male / BNC Male, 5.0ft (1.5m)	13.60	12.78	11.97	11.15	10.34
CCS58AB-7.5	RG58C Cable, SMA Male / BNC Male, 7.5ft (2.3m)	14.35	13.49	12.63	11.77	10.91
CCS58AB-10	RG58C Cable, SMA Male / BNC Male, 10.0ft (3.0m)	15.10	14.19	13.29	12.38	11.48

RG58C/U - 50 Ohm Coaxial Cables with Inline SMA to Right Angle SMA Plugs

CCS58A-05HR	RG58C Cable, SMA Male / 90° Male, 0.5ft (0.15m)	14.60	13.72	12.85	11.97	11.10
CCS58A-1HR	RG58C Cable, SMA Male / 90° Male, 1.0ft (0.3m)	14.75	13.86	12.98	12.10	11.21
CCS58A-1.5HR	RG58C Cable, SMA Male / 90° Male, 1.5ft (0.45m)	14.90	14.01	13.11	12.22	11.32
CCS58A-2HR	RG58C Cable, SMA Male / 90° Male, 2.0ft (0.6m)	15.05	14.15	13.24	12.34	11.44
CCS58A-2.5HR	RG58C Cable, SMA Male / 90° Male, 2.5ft (0.75m)	15.20	14.29	13.38	12.46	11.55
CCS58A-3HR	RG58C Cable, SMA Male / 90° Male, 3.0ft (0.9m)	15.35	14.43	13.51	12.59	11.67
CCS58A-4HR	RG58C Cable, SMA Male / 90° Male, 4.0ft (1.2m)	15.65	14.71	13.77	12.83	11.89
CCS58A-5HR	RG58C Cable, SMA Male / 90° Male, 5.0ft (1.5m)	15.95	14.99	14.04	13.08	12.12
CCS58A-7.5HR	RG58C Cable, SMA Male / 90° Male, 7.5ft (2.3m)	16.70	15.70	14.70	13.69	12.69
CCS58A-10HR	RG58C Cable, SMA Male / 90° Male, 10.0ft (3.0m)	17.45	16.40	15.36	14.31	13.26

RG58C/U - 50 Ohm Coaxial Cables with Two Right Angle SMA Plugs

CCS58A-05HR2	RG58C Cable, SMA 90° Male / 90° Male, 0.5ft (0.15m)	17.70	16.64	15.58	14.51	13.45
CCS58A-1HR2	RG58C Cable, SMA 90° Male / 90° Male, 1.0ft (0.3m)	17.85	16.78	15.71	14.64	13.57
CCS58A-1.5HR2	RG58C Cable, SMA 90° Male / 90° Male, 1.5ft (0.45m)	18.00	16.92	15.84	14.76	13.68
CCS58A-2.5HR2	RG58C Cable, SMA 90° Male / 90° Male, 2.5ft (0.75m)	18.15	17.06	15.97	14.88	13.79
CCS58A-5HR2	RG58C Cable, SMA 90° Male / 90° Male, 5.0ft (1.5m)	19.05	17.91	16.76	15.62	14.48
CCS58A-10HR2	RG58C Cable, SMA 90° Male / 90° Male, 10.0ft (3.0m)	20.55	19.32	18.08	16.85	15.62

RG58C/U - 50 Ohm Extension Cables with Inline SMA Plug to SMA Jack

CCS58AX-1	RG58C Cable, SMA Male / Female, 1.0ft (0.3m)	16.55	15.56	14.56	13.57	12.58
CCS58AX-2.5	RG58C Cable, SMA Male / Female, 2.5ft (0.75m)	17.00	15.98	14.96	13.94	12.92
CCS58AX-5	RG58C Cable, SMA Male / Female, 5.0ft (1.5m)	17.75	16.68	15.62	14.56	13.49

RG58C/U - 50 Ohm Coaxial Cables with Two Inline TNC Plugs

CC58T-1	RG58C Cable, TNC Male / Male, 1.0ft (0.3m)	9.60	9.02	8.45	7.87	7.30
CC58T-3	RG58C Cable, TNC Male / Male, 3.0ft (0.9m)	10.20	9.59	8.98	8.36	7.75
CC58T-6	RG58C Cable, TNC Male / Male, 6.0ft (1.8m)	11.10	10.43	9.77	9.10	8.44
CC58T-10	RG58C Cable, TNC Male / Male, 10.0ft (3.0m)	12.30	11.56	10.82	10.09	9.35
CC58T-15	RG58C Cable, TNC Male / Male, 15.0ft (4.6m)	13.80	12.97	12.14	11.32	10.49
CC58T-25	RG58C Cable, TNC Male / Male, 25.0ft (7.6m)	16.80	15.79	14.78	13.78	12.77
CC58T-50	RG58C Cable, TNC Male / Male, 50.0ft (15.2m)	24.30	22.84	21.38	19.93	18.47

L-com® Global Connectivity

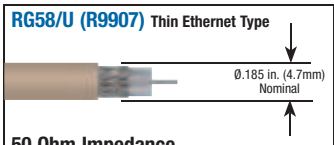
Connector reference chart
A handy listing of popular connectors.
L-com.com/ConnectorChart

Item #	Description	1-9	10-24	25-99	100-249	250-499

RG58/U ThinNet Coaxial Cables - Fully Insulated BNC Plugs

ThinNet Coaxial, Thin Wire Ethernet, 10BASE-2 or CheaperNet are all names for the RG58 type of coaxial transmission media. The difference in performance between thick and thin Ethernet relate only to distance. So if you have 30 or fewer users on your segment and your length requirement does not exceed 185m (607ft) make ThinNet the cable of your choice. Offered with fully insulated inline and 90° BNC connectors.

RG58/U (R9907) Thin Ethernet Type



50 Ohm Impedance

RG58/U (R9907)
- Center Conductor: 20 (19 x 32) AWG tinned copper
- Shielding: Tinned copper braid + foil (100% coverage)
- Insulation: Foam polyethylene
- Jacket: Beige PVC
- Operating Temperature: -40°C - +75°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	2.9	9.5
100	4.2	13.8
200	6.1	20.0
400	8.9	29.2
1000	14.8	48.5

RG58/U Thin Ethernet Coaxial Cables - Two Inline Fully Insulated BNC Plugs

CCTN58-1B	RG58 ThinNet Cable, BNC Male / Male, 1.0ft (0.3m)	8.50	7.82	7.14	6.46	5.78
CCTN58-2B	RG58 ThinNet Cable, BNC Male / Male, 2.0ft (0.6m)	9.00	8.28	7.56	6.84	6.12
CCTN58-2.5B	RG58 ThinNet Cable, BNC Male / Male, 2.5ft (0.75m)	9.25	8.51	7.77	7.03	6.29
CCTN58-3B	RG58 ThinNet Cable, BNC Male / Male, 3.0ft (0.9m)	9.50	8.74	7.98	7.22	6.46
CCTN58-5B	RG58 ThinNet Cable, BNC Male / Male, 5.0ft (1.5m)	10.50	9.66	8.82	7.98	7.14
CCTN58-6B	RG58 ThinNet Cable, BNC Male / Male, 6.0ft (1.8m)	11.00	10.12	9.24	8.36	7.48
CCTN58-7.5B	RG58 ThinNet Cable, BNC Male / Male, 7.5ft (2.3m)	11.75	10.81	9.87	8.93	7.99
CCTN58-10B	RG58 ThinNet Cable, BNC Male / Male, 10.0ft (3.0m)	13.00	11.96	10.92	9.88	8.84
CCTN58-15B	RG58 ThinNet Cable, BNC Male / Male, 15.0ft (4.6m)	15.50	14.26	13.02	11.78	10.54
CCTN58-25B	RG58 ThinNet Cable, BNC Male / Male, 25.0ft (7.6m)	18.85	17.34	15.83	14.33	12.82
CCTN58-50B	RG58 ThinNet Cable, BNC Male / Male, 50.0ft (15.2m)	31.35	28.84	26.33	23.83	21.32
CCTN58-100B	RG58 ThinNet Cable, BNC Male / Male, 100.0ft (30.5m)	56.35	51.84	47.33	42.83	38.32

RG58/U Thin Ethernet Coaxial Cables - One or Two Right Angle Fully Insulated BNC Plugs

CCTN58-5HRB	RG58 ThinNet Cable, BNC Male / 90° Male, 5.0ft (1.5m)	16.35	15.04	13.73	12.43	11.12
CCTN58-10HRB	RG58 ThinNet Cable, BNC Male / 90° Male, 10.0ft (3.0m)	18.85	17.34	15.83	14.33	12.82
CCTN58-15HRB	RG58 ThinNet Cable, BNC Male / 90° Male, 15.0ft (4.6m)	21.35	19.64	17.93	16.23	14.52
CCTN58-25HRB	RG58 ThinNet Cable, BNC Male / 90° Male, 25.0ft (7.6m)	26.35	24.24	22.13	20.03	17.92
CCTN58-5HR2B	RG58 ThinNet Cable, BNC 90° Male / 90° Male, 5.0ft (1.5m)	23.75	21.85	19.95	18.05	16.15
CCTN58-10HR2B	RG58 ThinNet Cable, BNC 90° Male / 90° Male, 10.0ft (3.0m)	26.25	24.15	22.05	19.95	17.85
CCTN58-15HR2B	RG58 ThinNet Cable, BNC 90° Male / 90° Male, 15.0ft (4.6m)	28.75	26.45	24.15	21.85	19.55
CCTN58-25HR2B	RG58 ThinNet Cable, BNC 90° Male / 90° Male, 25.0ft (7.6m)	33.75	31.05	28.35	25.65	22.95

RG58/U 50 Ohm Thin Ethernet Plenum - With Two Inline BNC Plugs

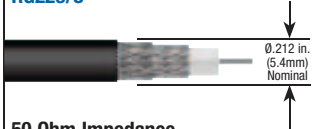
Plenum grade RG58/U is available for high temperature and other environments where PVC is not acceptable. Assemblies have FEP Teflon dielectric and flame retardant jacket. The center conductor is a 20 AWG solid conductor giving these assemblies limited flexibility. All cables terminated with Teflon grade BNC connectors.

CCTN58P-1B	RG58 ThinNet Plenum Cable, BNC Male / Male, 1.0ft (0.3m)	16.00	15.36	14.72	14.08	13.44
CCTN58P-2B	RG58 ThinNet Plenum Cable, BNC Male / Male, 2.0ft (0.6m)	17.00	16.32	15.64	14.96	14.28
CCTN58P-2.5B	RG58 ThinNet Plenum Cable, BNC Male / Male, 2.5ft (0.75m)	18.00	17.28	16.56	15.84	15.12
CCTN58P-3B	RG58 ThinNet Plenum Cable, BNC Male / Male, 3.0ft (0.9m)	19.00	18.24	17.48	16.72	15.96
CCTN58P-5B	RG58 ThinNet Plenum Cable, BNC Male / Male, 5.0ft (1.5m)	23.00	22.08	21.16	20.24	19.32
CCTN58P-6B	RG58 ThinNet Plenum Cable, BNC Male / Male, 6.0ft (1.8m)	24.00	23.04	22.08	21.12	20.16
CCTN58P-7.5B	RG58 ThinNet Plenum Cable, BNC Male / Male, 7.5ft (2.3m)	27.00	25.92	24.84	23.76	22.68
CCTN58P-10B	RG58 ThinNet Plenum Cable, BNC Male / Male, 10.0ft (3.0m)	31.00	29.76	28.52	27.28	26.04
CCTN58P-15B	RG58 ThinNet Plenum Cable, BNC Male / Male, 15.0ft (4.6m)	36.00	34.56	33.12	31.68	30.24
CCTN58P-25B	RG58 ThinNet Plenum Cable, BNC Male / Male, 25.0ft (7.6m)	46.00	44.16	42.32	40.48	38.64
CCTN58P-50B	RG58 ThinNet Plenum Cable, BNC Male / Male, 50.0ft (15.2m)	87.00	83.52	80.04	76.56	73.08
CCTN58P-100B	RG58 ThinNet Plenum Cable, BNC Male / Male, 100.0ft (30.5m)	156.00	149.76	143.52	137.28	131.04

RG223/U - 50 Ohm Coaxial Cable, Double Shielded with Solid Conductor and PVC Jacket

This series features popular double shielded RG223/U cable with the commonly used BNC, TNC and Type N connector interfaces. All connectors utilize shrink tubing for strain relief. Offered in 8 standard lengths, custom lengths and connector combinations also available with modest minimums.

RG223/U



50 Ohm Impedance

RG223/U
- Center Conductor: 19 AWG solid silver coated copper
- Shielding: (2) Silver coated copper braid (95% coverage)
- Insulation: Polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +60°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	2.8	9.2
100	4.1	13.5
200	6.0	23.9
400	8.8	28.9
1000	14.5	47.6

RG223/U - 50 Ohm Coaxial Cable with Two Inline BNC Plugs

CC223B-1	RG223 Cable, BNC Male / Male, 1.0ft (0.3m)	19.50	18.72	17.94	17.16	16.38
CC223B-1.5	RG223 Cable, BNC Male / Male, 1.5ft (0.45m)	20.25	19.44	18.63	17.82	17.01
CC223B-2	RG223 Cable, BNC Male / Male, 2.0ft (0.6m)	21.00	20.16	19.32	18.48	17.64
CC223B-2.5	RG223 Cable, BNC Male / Male, 2.5ft (0.75m)	21.75	20.88	20.01	19.14	18.27
CC223B-5	RG223 Cable, BNC Male / Male, 5.0ft (1.5m)	25.50	24.48	23.46	22.44	21.42
CC223B-7.5	RG223 Cable, BNC Male / Male, 7.5ft (2.3m)	29.25	28.08	26.91	25.74	24.57
CC223B-10	RG223 Cable, BNC Male / Male, 10.0ft (3.0m)	33.00	31.68	30.36	29.04	27.72
CC223B-15	RG223 Cable, BNC Male / Male, 15.0ft (4.6m)	40.50	38.88	37.26	35.64	34.02

RG223/U - 50 Ohm Coaxial Cable with Two Inline TNC Plugs

CC223T-1	RG223 Cable, TNC Male / Male, 1.0ft (0.3m)	19.50	18.72	17.94	17.16	16.38
CC223T-1.5	RG223 Cable, TNC Male / Male, 1.5ft (0.45m)	20.25	19.44	18.63	17.82	17.01
CC223T-2	RG223 Cable, TNC Male / Male, 2.0ft (0.6m)	21.00	20.16	19.32	18.48	17.64
CC223T-2.5	RG223 Cable, TNC Male / Male, 2.5ft (0.75m)	21.75	20.88	20.01	19.14	18.27
CC223T-5	RG223 Cable, TNC Male / Male, 5.0ft (1.5m)	25.50	24.48	23.46	22.44	21.42
CC223T-7.5	RG223 Cable, TNC Male / Male, 7.5ft (2.3m)	29.25	28.08	26.91	25.74	24.57
CC223T-10	RG223 Cable, TNC Male / Male, 10.0ft (3.0m)	33.00	31.68	30.36	29.04	27.72
CC223T-15	RG223 Cable, TNC Male / Male, 15.0ft (4.6m)	40.50	38.88	37.26	35.64	34.02

50 Ohm ETHERNET

- Double Shielded
- Fully Insulated BNC (minimize ground loops)
- Best Length Variety
- Premium Grade or Networks


CCTN58-B

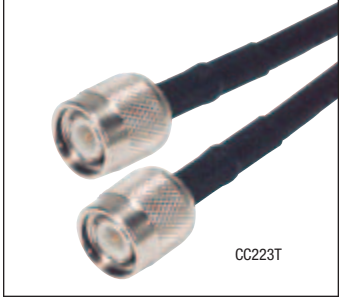

CCTN58-HR2B

Plenum Grade

- Thin Ethernet
- Double Shielded
- 50 Ohm Impedance
- FEP Teflon Insulation
- BNC Connectors


CCTN58P-B


CC223B


CC223T

To see our entire product offering
go to...L-com.com

L-com Global Connectivity


CC223N

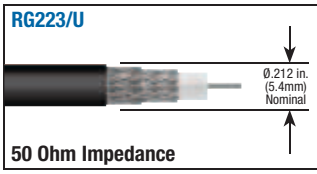

CC58RP


CC174RP



Item #	Description	1-9	10-24	25-99	100-249	250-499

RG223/U



50 Ohm Impedance

RG223/U
- Center Conductor: 19 AWG solid silver coated copper
- Shielding: (2) Silver coated copper braid (95% coverage)
- Insulation: Polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +60°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	2.8	9.2
100	4.1	13.5
200	6.0	23.9
400	8.8	28.9
1000	14.5	47.6

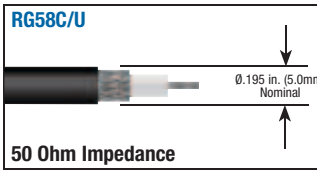
RG223/U - 50 Ohm Coaxial Cable with Two Inline Type N Plugs

CC223N-1	RG223 Cable, Type N Male / Male, 1.0ft (0.3m)	30.00	28.80	27.60	26.40	25.20
CC223N-1.5	RG223 Cable, Type N Male / Male, 1.5ft (0.5m)	30.75	29.52	28.29	27.06	25.83
CC223N-2	RG223 Cable, Type N Male / Male, 2.0ft (0.6m)	31.50	30.24	28.98	27.72	26.46
CC223N-2.5	RG223 Cable, Type N Male / Male, 2.5ft (0.8m)	32.25	30.96	29.67	28.38	27.09
CC223N-5	RG223 Cable, Type N Male / Male, 5.0ft (1.5m)	36.00	34.56	33.12	31.68	30.24
CC223N-7.5	RG223 Cable, Type N Male / Male, 7.5ft (2.3m)	39.75	38.16	36.57	34.98	33.39
CC223N-10	RG223 Cable, Type N Male / Male, 10.0ft (3.0m)	43.50	41.76	40.02	38.28	36.54
CC223N-15	RG223 Cable, Type N Male / Male, 15.0ft (4.6m)	51.00	48.96	46.92	44.88	42.84

Wireless Antenna Extension Cables - Reverse Polarized TNC and SMA Connectors

Handy cable assemblies with reverse polarized TNC and SMA male to female configurations allowing quick and easy extension of most wireless antennas to location best suited for optimal performance. Simply remove the antenna from the base unit and relocate using these extension cables to link the antenna to the base unit.

RG58C/U



50 Ohm Impedance

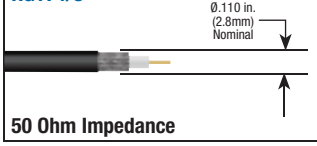
RG58C/U
- Center Conductor: 20 (19 x 33) AWG tinned copper
- Shielding: Tinned copper braid (95% coverage)
- Insulation: Polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +85°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	3.3	10.8
100	4.9	16.1
200	7.3	23.9
400	11.0	36.1
1000	20.0	65.6

Reverse Polarized TNC on RG58C/U - Wireless Antenna Extension Cables

CC58RP-5	RG58C Cable, Reverse Polarized TNC Male / Female, 5.0ft (1.5m)	22.00	21.12	20.24	19.36	18.48
CC58RP-10	RG58C Cable, Reverse Polarized TNC Male / Female, 10.0ft (3.0m)	24.50	23.52	22.54	21.56	20.58
CC58RP-15	RG58C Cable, Reverse Polarized TNC Male / Female, 15.0ft (4.6m)	27.00	25.92	24.84	23.76	22.68
CC58RP-20	RG58C Cable, Reverse Polarized TNC Male / Female, 20.0ft (6.1m)	29.50	28.32	27.14	25.96	24.78
CC58RP-25	RG58C Cable, Reverse Polarized TNC Male / Female, 25.0ft (7.6m)	32.00	30.72	29.44	28.16	26.88

RG174/U



50 Ohm Impedance

RG174/U
- Center Conductor: 26 (7x34) AWG bare copper covered steel
- Shielding: Tinned copper braid (90% coverage)
- Insulation: Polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +75°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	5.8	19.0
100	8.4	27.6
200	12.5	41.0
400	19.0	62.3
1000	34.0	111.5

Reverse Polarized SMA on RG174 - Wireless Antenna Extension Cables

CC174RP-5	RG174 Cable, Reverse Polarized SMA Male / Female, 5.0ft (1.5m)	19.75	18.96	18.17	17.38	16.59
CC174RP-10	RG174 Cable, Reverse Polarized SMA Male / Female, 10.0ft (3.0m)	21.00	20.16	19.32	18.48	17.64
CC174RP-15	RG174 Cable, Reverse Polarized SMA Male / Female, 15.0ft (4.6m)	22.25	21.36	20.47	19.58	18.69
CC174RP-20	RG174 Cable, Reverse Polarized SMA Male / Female, 20.0ft (6.1m)	23.50	22.56	21.62	20.68	19.74
CC174RP-25	RG174 Cable, Reverse Polarized SMA Male / Female, 25.0ft (7.6m)	24.75	23.76	22.77	21.78	20.79

Item #	Description	Cable	Attachment	1-9	10-24	25-99	100-249	250-499

Reverse Polarized Coaxial Connectors

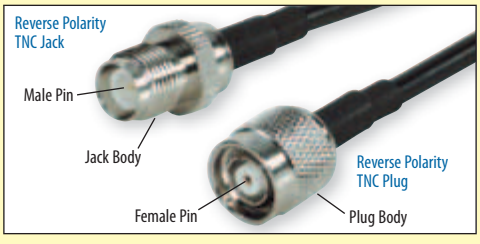
These connectors are designed for attachment to RG174/188/316 or RG58 cables and are ideal for applications where building your own cable assembly is the best solution.

BAC500	TNC Plug, Reverse Polarized	RG58	Crimp	4.95	4.55	4.16	3.76	3.37
BAC501	TNC Jack, Reverse Polarized	RG58	Crimp	4.95	4.55	4.16	3.76	3.37
BAC502	SMA Plug, Reverse Polarized	RG174 / RG188 / RG316	Crimp	4.95	4.55	4.16	3.76	3.37
BAC503	SMA Jack, Bulkhead, Reverse Polarized	RG174 / RG188 / RG316	Crimp	4.95	4.55	4.16	3.76	3.37
BAC512	SMA Jack, Reverse Polarized	RG174 / RG188 / RG316	Crimp	5.50	5.17	4.84	4.51	4.18

Tip

Identifying a reverse polarized connector

A reverse polarized coaxial connector alters a standard polarized connector interface by utilizing a male center pin in a jack body or a female center pin in a plug body. Reverse polarity connectors are sometimes used in an attempt to "key" connections so that incorrect connections are not possible. This also prevents mating with a standard non-polarized connector. Common reverse polarized interfaces are RP-SMA and RP-TNC.



L-com Global Connectivity

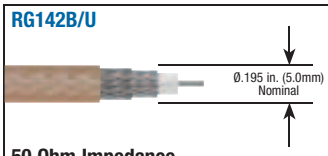
Product wizards
Find the exact product you need with our easy-to-use wizards. L-com.com/ProductWizards

Item #	Description	1-9	10-24	25-99	100-249	250-499

RG142B/U - 50 Ohm Coaxial Cables, Double Shielded, Hi-Temperature (200°C) with BNC Plugs

RG142B/U - 50 Ohm Hi-Temperature Coaxial Cables with BNC terminations have double braided shields for better shielding as well as TFE (Tetrafluoroethylene) dielectric and FEP (Fluorinated Ethylene-Propylene) jacket for their flame proof characteristics.

RG142B/U



50 Ohm Impedance

RG142B/U

- Center Conductor: 18 AWG solid 0.037 silver coated copper
- Shielding: 2 silver coated copper braids (96% coverage)
- Insulation: TFE Teflon
- Jacket: Brown FEP
- Operating Temperature: -70°C - +200°C VW-1 vertical flame test compliant

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	2.7	8.9
100	3.9	12.8
200	5.6	18.4
400	8.2	26.9
1000	13.5	44.3

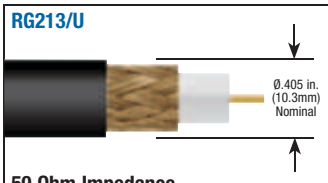
RG142B/U - 50 Ohm Double Shielded Cable with Two Inline BNC Plugs

CC142B-1	RG142B Cable, BNC Male / Male, 1.0ft (0.3m)	14.85	14.26	13.66	13.07	12.47
CC142B-1.5	RG142B Cable, BNC Male / Male, 1.5ft (0.5m)	15.65	15.02	14.40	13.77	13.15
CC142B-2	RG142B Cable, BNC Male / Male, 2.0ft (0.6m)	16.45	15.79	15.13	14.48	13.82
CC142B-2.5	RG142B Cable, BNC Male / Male, 2.5ft (0.8m)	17.25	16.56	15.87	15.18	14.49
CC142B-3	RG142B Cable, BNC Male / Male, 3.0ft (0.9m)	18.05	17.33	16.61	15.88	15.16
CC142B-4	RG142B Cable, BNC Male / Male, 4.0ft (1.2m)	19.65	18.86	18.08	17.29	16.51
CC142B-5	RG142B Cable, BNC Male / Male, 5.0ft (1.5m)	21.25	20.40	19.55	18.70	17.85
CC142B-6	RG142B Cable, BNC Male / Male, 6.0ft (1.8m)	22.85	21.94	21.02	20.11	19.19
CC142B-7.5	RG142B Cable, BNC Male / Male, 7.5ft (2.3m)	25.25	24.24	23.23	22.22	21.21
CC142B-10	RG142B Cable, BNC Male / Male, 10.0ft (3.0m)	29.25	28.08	26.91	25.74	24.57
CC142B-15	RG142B Cable, BNC Male / Male, 15.0ft (4.6m)	37.25	35.76	34.27	32.78	31.29
CC142B-25	RG142B Cable, BNC Male / Male, 25.0ft (7.6m)	53.25	51.12	48.99	46.86	44.73
CC142B-50	RG142B Cable, BNC Male / Male, 50.0ft (15.2m)	93.25	89.52	85.79	82.06	78.33
CC142B-75	RG142B Cable, BNC Male / Male, 75.0ft (22.9m)	133.25	127.92	122.59	117.26	111.93
CC142B-100	RG142B Cable, BNC Male / Male, 100.0ft (30.5m)	173.25	166.32	159.39	152.46	145.53

RG213/U - Low Attenuation, High Voltage 50 Ohm Cable with TNC, Type N and BNC Plugs

RG213/U is a commonly used flexible coaxial cable with low attenuation characteristics and a maximum operating voltage of 5000 volts RMS. Offered with TNC, Type N and BNC plugs in eight standard lengths. Custom lengths and connector combinations are available with modest minimums.

RG213/U



50 Ohm Impedance

RG213/U

- Center Conductor: 13 AWG (7 x .0296) bare copper
- Shielding: Bare copper braids (96% coverage)
- Insulation: Solid polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	1.3	4.3
100	1.9	6.2
200	2.7	8.9
400	4.1	13.4
1000	8.0	26.2
4000	21.5	70.5

RG213/U - 50 Ohm Low Attenuation Cable with Two Inline TNC Plugs

CC213T-5	RG213 Cable, TNC Male / Male, 5.0ft (1.5m)	18.25	17.52	16.79	16.06	15.33
CC213T-10	RG213 Cable, TNC Male / Male, 10.0ft (3.0m)	22.00	21.12	20.24	19.36	18.48
CC213T-15	RG213 Cable, TNC Male / Male, 15.0ft (4.6m)	25.75	24.72	23.69	22.66	21.63
CC213T-25	RG213 Cable, TNC Male / Male, 25.0ft (7.6m)	33.25	31.92	30.59	29.26	27.93
CC213T-50	RG213 Cable, TNC Male / Male, 50.0ft (15.2m)	52.00	49.92	47.84	45.76	43.68
CC213T-75	RG213 Cable, TNC Male / Male, 75.0ft (22.9m)	70.75	67.92	65.09	62.26	59.43
CC213T-100	RG213 Cable, TNC Male / Male, 100.0ft (30.5m)	89.50	85.92	82.34	78.76	75.18
CC213T-125	RG213 Cable, TNC Male / Male, 125.0ft (38.1m)	108.25	103.92	99.59	95.26	90.93

RG213/U - 50 Ohm Coaxial Cables with Two Inline Type N Plugs

CC213-5	RG213 Cable, Type N Male / Male, 5.0ft (1.5m)	18.25	17.52	16.79	16.06	15.33
CC213-10	RG213 Cable, Type N Male / Male, 10.0ft (3.0m)	22.00	21.12	20.24	19.36	18.48
CC213-15	RG213 Cable, Type N Male / Male, 15.0ft (4.6m)	25.75	24.72	23.69	22.66	21.63
CC213-25	RG213 Cable, Type N Male / Male, 25.0ft (7.6m)	33.25	31.92	30.59	29.26	27.93
CC213-50	RG213 Cable, Type N Male / Male, 50.0ft (15.2m)	52.00	49.92	47.84	45.76	43.68
CC213-75	RG213 Cable, Type N Male / Male, 75.0ft (22.9m)	70.75	67.92	65.09	62.26	59.43
CC213-100	RG213 Cable, Type N Male / Male, 100.0ft (30.5m)	89.50	85.92	82.34	78.76	75.18
CC213-125	RG213 Cable, Type N Male / Male, 125.0ft (38.1m)	108.25	103.92	99.59	95.26	90.93

RG213/U - 50 Ohm Low Attenuation Cable with Two Inline BNC Plugs

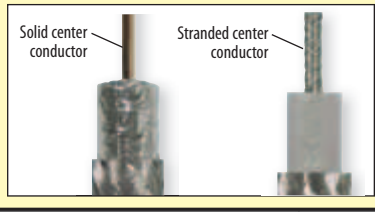
CC213B-5	RG213 Cable, BNC Male / Male, 5.0ft (1.5m)	17.50	16.80	16.10	15.40	14.70
CC213B-10	RG213 Cable, BNC Male / Male, 10.0ft (3.0m)	21.25	20.40	19.55	18.70	17.85
CC213B-15	RG213 Cable, BNC Male / Male, 15.0ft (4.6m)	25.00	24.00	23.00	22.00	21.00
CC213B-25	RG213 Cable, BNC Male / Male, 25.0ft (7.6m)	32.50	31.20	29.90	28.60	27.30
CC213B-50	RG213 Cable, BNC Male / Male, 50.0ft (15.2m)	51.25	49.20	47.15	45.10	43.05
CC213B-75	RG213 Cable, BNC Male / Male, 75.0ft (22.9m)	70.00	67.20	64.40	61.60	58.80
CC213B-100	RG213 Cable, BNC Male / Male, 100.0ft (30.5m)	88.75	85.20	81.65	78.10	74.55
CC213B-125	RG213 Cable, BNC Male / Male, 125.0ft (38.1m)	107.50	103.20	98.90	94.60	90.30

Solid vs stranded center conductors

Online Video

L-com.com/Videos/A19

In coaxial cable there is a trade off in center conductor construction. A solid center conductor will give the best attenuation performance but will be somewhat stiff, while a stranded center conductor will be more flexible but have slightly higher attenuation.




CC142B


CC213T


CC213


CC213B

We answer your technical questions

See a complete list of frequently asked questions at L-com.com/FAQS

Tip What is Low Loss cable?

The term low loss refers to the cables relative low attenuation (loss) over distance. The main difference between standard RG cable and low loss coaxial cable is the shielding. Low loss cable has far better shielding than typical RG style cable thus achieving better low loss characteristics.

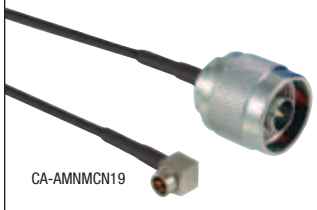
Additionally, low loss coaxial cables use solid center conductors which offer lower attenuation than stranded conductors that are sometimes found on RG style cables. Low loss coaxial cables are typically used in WLAN, Cellular, PCS, ISM and many other wireless applications.

Low Loss Attenuation Comparison		
Cable	MHz	db/100ft.
RG213/U	2500	14.9
400 Series	2500	6.8

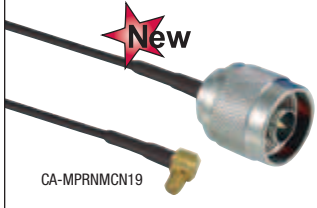
LOW-LOSS CABLES



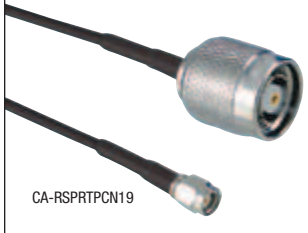
CA-UFLNMQC20



CA-AMNMCN19



CA-MPRNMCN19



CA-RSPRTPCN19



CA-SBPRSBJCN12

Item #	Description	1-9	10-24	25-99	100-249	250-499

Low Loss Wireless LAN Pigtails

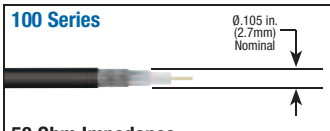
L-com manufactures and stocks the widest selection of wireless LAN pigtails and adapter cables. In addition to popular styles, L-com also offers hard to find connector combinations and can build custom pigtails/adapter cables based upon your specifications. Cable types supported in this series include 1.13 mini-coaxial, 100-Series and 195-Series assemblies.

1.13mm Mini 50 Ohm Coaxial Pigtails

CA-UFLNBQC20	1.13mm Pigtails, U.FL / Type N Female Bulkhead, 20cm	15.99	14.71	13.43	12.15	10.87
CA-UFLNMQC20	1.13mm Pigtails, U.FL / Type N Male, 20cm	15.99	14.71	13.43	12.15	10.87
CA-UFLRSBQC20	1.13mm Pigtails, U.FL / Reverse Polarity SMA Jack Bulkhead, 20cm	15.99	14.71	13.43	12.15	10.87
CA-UFLSBQC20	1.13mm Pigtails, U.FL / SMA Female Bulkhead, 20cm	15.99	14.71	13.43	12.15	10.87
CA-UFLQ010	1.13mm Pigtails, U.FL / Unterminated, 10.0ft (3.0m)	16.99	15.63	14.27	12.91	11.55
CA-UFLQC20	1.13mm Pigtails, U.FL / Unterminated, 20cm	12.99	11.69	10.39	9.09	7.79

100-Series 50 Ohm Coaxial Pigtails

100 Series



50 Ohm Impedance

100 Series Low-Loss Cable

- Center Conductor: Solid bare copper covered steel
- Shielding: Inner foil 90% coverage + tinned copper braid
- Insulation: Solid polyethylene
- Jacket: PVC
- Operating Temperature: -20°C - +60°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
900	22.8	74.8
1800	33.2	108.8
2500	39.8	130.6

CA-AMNFBCN19	100-Series Pigtails, AlProx / Type N Female Bulkhead, 19" (48.3cm)	9.49	9.11	8.73	8.07	7.12
CA-AMNFCN19	100-Series Pigtails, AlProx / Type N Female, 19" (48.3cm)	14.99	13.49	11.99	10.49	8.99
CA-AMNMC1M5	100-Series Pigtails, AlProx / Type N Male, 1.5m	12.99	11.69	10.39	9.09	7.79
CA-AMNMC2M5	100-Series Pigtails, AlProx / Type N Male, 2.5m	24.95	22.45	19.96	17.46	14.97
CA-AMNMCN19	100-Series Pigtails, AlProx / Type N Male, 19" (48.3cm)	14.99	13.49	11.99	10.49	8.99
CA-RSPFMEPCN19	100-Series Pigtails, FME Plug / Reverse Polarity SMA Plug, 19" (48.3cm)	14.99	14.09	13.19	12.29	11.39
CA-RTPFMEPCN19	100-Series Pigtails, FME Plug / Reverse Polarity TNC Plug, 19" (48.3cm)	14.99	14.09	13.19	12.29	11.39
CA-FMEPFMEJCN19	100-Series Pigtails, FME Plug / FME Jack, 19" (48.3cm)	14.99	14.09	13.19	12.29	11.39
CA-MCNFCN19	100-Series Pigtails, MC Card / Type N Female, 19" (48.3cm)	9.99	8.99	7.99	6.99	5.99
CA-MCNMC1M5	100-Series Pigtails, MC Card / Type N Male, 1.5m	9.99	9.59	9.19	8.49	7.49
CA-MCNMCN19	100-Series Pigtails, MC Card / Type N Male, 19" (48.3cm)	7.99	7.67	7.35	6.79	5.99
CA-MCNMDN19	100-Series White Pigtail, MC Card / Type N Male, 19" (48.3cm)	12.99	11.69	10.39	9.09	7.79
CA-MCRTPCN19	100-Series Pigtails, MC Card / Reverse Polarity TNC Plug, 19" (48.3cm)	9.99	8.99	7.99	6.99	CALL
CA-MMNFBCN19	100-Series Pigtails, MMCX / Type N Female Bulkhead, 19" (48.3cm)	19.99	17.99	15.99	13.99	11.99
CA-MMNFCN19	100-Series Pigtails, MMCX / Type N Female, 19" (48.3cm)	14.99	13.49	11.99	10.49	8.99
CA-MMNMCN19	100-Series Pigtails, MMCX / Type N Male, 19" (48.3cm)	10.49	9.65	8.81	7.97	7.13
CA-MMSNMCN19	100-Series Pigtails, MMCX Straight / Type N Male, 19" (48.3cm)	19.99	17.99	15.99	13.99	11.99
CA-MPNFCN19	100-Series Pigtails, MCX Plug / Type N Female, 19" (48.3cm)	14.99	13.49	11.99	10.49	8.99
CA-MPNMCN19	100-Series Pigtails, MCX Plug / Type N Male, 19" (48.3cm)	14.99	13.49	11.99	10.49	8.99
CA-MPRNMCN19	100-Series Pigtails, MCX Plug Right Angle / Type N Male, 19" (48.3cm)	14.99	13.49	11.99	10.49	8.99
CA-RMMNFBCN19	100-Series Pigtails, Rev. Pol. MMCX Plug / Type N Female Bulkhead, 19" (48.3cm)	18.95	17.05	15.16	13.26	11.37
CA-RMMNFCN19	100-Series Pigtails, Reverse Polarity MMCX / Type N Female, 19" (48.3cm)	14.99	13.79	12.59	11.39	10.19
CA-RMMNMCN19	100-Series Pigtails, Reverse Polarity MMCX / Type N Male, 19" (48.3cm)	9.99	9.19	8.39	7.59	6.79
CA-RMMRTPCN19	100-Series Pigtails, Rev. Polarity MMCX / Reverse Polarity TNC Plug, 19" (48.3cm)	8.99	8.09	7.19	6.29	5.39
CA-QPQJBCN19	100-Series Pigtails, QMA Plug / QMA Jack Bulkhead, 19" (48.3cm)	22.99	21.61	20.23	18.85	17.47
CA-QPQPCN19	100-Series Pigtails, QMA Plug / QMA Plug, 19" (48.3cm)	22.99	21.61	20.23	18.85	17.47
CA-RTPNMB001	100-Series Pigtails, Reverse Polarity TNC Plug / Type N Male, 1.0ft (0.3m)	9.99	8.99	7.99	6.99	CALL
CA-RTPRTJBCN19	100-Series Pigtails, Rev. Pol. TNC Plug / Rev. Pol. TNC Jack BH, 19" (48.3cm)	15.99	15.03	14.07	13.11	12.15
CA-RTPRSPRCN19	100-Series Pigtails, Rev. Pol. TNC Plug / Rev. Pol. SMA Plug Rt. Angle, 19" (48.3cm)	14.99	14.09	13.19	12.29	11.39
CA-RTPNFBCN19	100-Series Pigtails, Rev. Polarity TNC Plug / Type N Female Bulkhead, 19" (48.3cm)	16.99	15.97	14.95	13.93	12.91
CA-RTPNMCN19	100-Series Pigtails, Reverse Polarity TNC Plug / Type N Male, 19" (48.3cm)	14.99	14.09	13.19	12.29	11.39
CA-RSPRTPCN19	100-Series Pigtails, Rev. Polarity SMA Plug / Rev. Polarity TNC Plug, 19" (48.3cm)	14.99	14.39	13.79	13.19	12.59
CA-RSPRTJBCN19	100-Series Pigtails, Rev. Pol. SMA Plug / Rev. Pol. TNC Jack BH, 19" (48.3cm)	15.99	15.03	14.07	13.11	12.15
CA-RSPRSJBCN19	100-Series Pigtails, Rev. Pol. SMA Plug / Rev. Pol. SMA Jack BH, 19" (48.3cm)	14.99	14.09	13.19	12.29	11.39
CA-RSPRSPCN19	100-Series Pigtails, Rev. Polarity SMA Plug / Rev. Polarity SMA Plug, 19" (48.3cm)	14.99	14.09	13.19	12.29	11.39
CA-RSPRSPRCN19	100-Series Pigtails, Rev. Pol. SMA Plug / Rev. Pol. SMA Plug Rt. Angle, 19" (48.3cm)	15.99	15.03	14.07	13.11	12.15
CA-RSPNMCN19	100-Series Pigtails, Reverse Polarity SMA Plug / Type N Male, 19" (48.3cm)	14.99	14.09	13.19	12.29	11.39
CA-RSPNFBCN19	100-Series Pigtails, Rev. Pol. SMA Plug / Type N Female Bulkhead, 19" (48.3cm)	16.99	15.97	14.95	13.93	12.91
CA-SBPRSBJCN12	100-Series Pigtails, SMB Plug Right Angle / SMB Jack, 12" (30.5cm)	14.50	13.34	12.18	11.02	9.86
CA-SBPRSBJCN18	100-Series Pigtails, SMB Plug Right Angle / SMB Jack, 18" (45.8cm)	15.00	13.80	12.60	11.40	10.20
CA-SBPRSBJCN24	100-Series Pigtails, SMB Plug Right Angle / SMB Jack, 24" (61cm)	15.50	14.26	13.02	11.78	10.54
CA-SBPRSBJCN30	100-Series Pigtails, SMB Plug Right Angle / SMB Jack, 30" (76.2cm)	16.00	14.72	13.44	12.16	10.88
CA-SBPRSBJCN36	100-Series Pigtails, SMB Plug Right Angle / SMB Jack, 36" (91.4cm)	16.50	15.18	13.86	12.54	11.22
CA-SBPRSBJCN48	100-Series Pigtails, SMB Plug Right Angle / SMB Jack, 48" (121.9cm)	17.50	16.10	14.70	13.30	11.90
CA-SBPSBJCN12	100-Series Pigtails, SMB Plug / SMB Jack, 12" (30.5cm)	14.50	13.34	12.18	11.02	9.86
CA-SBPSBJCN18	100-Series Pigtails, SMB Plug / SMB Jack, 18" (45.8cm)	15.00	13.80	12.60	11.40	10.20
CA-SBPSBJCN24	100-Series Pigtails, SMB Plug / SMB Jack, 24" (61cm)	15.50	14.26	13.02	11.78	10.54
CA-SBPSBJCN30	100-Series Pigtails, SMB Plug / SMB Jack, 30" (76.2cm)	16.00	14.72	13.44	12.16	10.88
CA-SBPSBJCN36	100-Series Pigtails, SMB Plug / SMB Jack, 36" (91.4cm)	16.50	15.18	13.86	12.54	11.22
CA-SBPSBJCN48	100-Series Pigtails, SMB Plug / SMB Jack, 48" (121.9cm)	17.50	16.10	14.70	13.30	11.90
CA-SBPRSBPRCN12	100-Series Pigtails, SMB Plug Right Angle /SMB Plug Right Angle, 12" (30.5cm)	14.50	13.34	12.18	11.02	9.86
CA-SBPRSBPRCN18	100-Series Pigtails, SMB Plug Right Angle /SMB Plug Right Angle, 18" (45.8cm)	15.00	13.80	12.60	11.40	10.20
CA-SBPRSBPRCN24	100-Series Pigtails, SMB Plug Right Angle /SMB Plug Right Angle, 24" (61cm)	15.50	14.26	13.02	11.78	10.54
CA-SBPRSBPRCN30	100-Series Pigtails, SMB Plug Right Angle /SMB Plug Right Angle, 30" (76.2cm)	16.00	14.72	13.44	12.16	10.88

L-com Global Connectivity

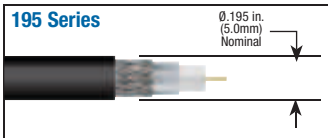
Same day shipping
Orders placed before 4:00 EST ship the same day.

100-Series 50 Ohm Coaxial Pigtails

Item #	Description	1-9	10-24	25-99	100-249	250-499
CA-SBPRSBPRCN36	100-Series Pigtails, SMB Plug Right Angle / SMB Plug Right Angle, 36" (91.4cm)	16.50	15.18	13.86	12.54	11.22
CA-SBPRSBPRCN48	100-Series Pigtails, SMB Plug Right Angle / SMB Plug Right Angle, 48" (121.9cm)	17.50	16.10	14.70	13.30	11.90
CA-SBPSBPRCN12	100-Series Pigtails, SMB Plug / SMB Plug Right Angle, 12" (30.5cm)	14.50	13.34	12.18	11.02	9.86
CA-SBPSBPRCN18	100-Series Pigtails, SMB Plug / SMB Plug Right Angle, 18" (45.7cm)	15.00	13.80	12.60	11.40	10.20
CA-SBPSBPRCN24	100-Series Pigtails, SMB Plug / SMB Plug Right Angle, 24" (61cm)	15.50	14.26	13.02	11.78	10.54
CA-SBPSBPRCN30	100-Series Pigtails, SMB Plug / SMB Plug Right Angle, 30" (76.2cm)	16.00	14.72	13.44	12.16	10.88
CA-SBPSBPRCN36	100-Series Pigtails, SMB Plug / SMB Plug Right Angle, 36" (91.4cm)	16.50	15.18	13.86	12.54	11.22
CA-SBPSBPRCN48	100-Series Pigtails, SMB Plug / SMB Plug Right Angle, 48" (121.9cm)	17.50	16.10	14.70	13.30	11.90
CA-SEPNMCN19	100-Series Pigtails, S/E Type 237 Plug / Type N Male, 19" (48.3cm)	14.99	13.49	11.99	10.49	8.99
CA-SEPRSJCN19	100-Series Pigtails, S/E Type 237 Plug / Reverse Polarity SMA Jack, 19" (48.3cm)	14.99	13.49	11.99	10.49	8.99
CA-SEPSFCN19	100-Series Pigtails, S/E Type 237 Plug / SMA Female, 19" (48.3cm)	14.99	13.49	11.99	10.49	8.99
CA-SNPNMCN19	100-Series Pigtails, SMA Nano Plug / Type N Male, 19" (48.3cm)	14.99	13.49	11.99	10.49	CALL
CA-SNPTFBCN19	100-Series Pigtails, SMA Nano Plug / TNC Female Bulkhead, 19" (48.3cm)	14.99	13.49	11.99	10.49	CALL
CA-SNPTFCN19	100-Series Pigtails, SMA Nano Plug / TNC Female, 19" (48.3cm)	14.99	13.49	11.99	10.49	CALL
CA-SNPNFCN19	100-Series Pigtails, SMA Right Angle Male / Type N Male, 19" (48.3cm)	14.99	13.49	11.99	10.49	CALL

195-Series 50 Ohm Coaxial Pigtails

195 Series



50 Ohm Impedance

195R Series Low-Loss Cable

- Center Conductor: Solid bare copper
- Shielding: Foil + tinned copper braid (90% coverage)
- Insulation: Physical foam polyethylene (PTFE for Plenum Rated)
- Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated)
- Operating Temperature: -20°C - +60°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
900	11.1	36.5
1800	16.0	52.5
2500	19.0	62.4
5800	29.9	98.1

CA-AM1RSPA002	195-Series Pigtails, 3/4" (1.9cm) NMO Mount / Rev. Polarity SMA Plug, 2.0ft (0.6m)	21.95	19.75	17.56	15.36	13.17
CA-AM1RSPA004	195-Series Pigtails, 3/4" (1.9cm) NMO Mount / Rev. Polarity SMA Plug, 4.0ft (1.2m)	22.90	20.61	18.32	16.03	13.74
CA-AM1RSPA010	195-Series Pigtails, 3/4" (1.9cm) NMO Mount / Rev. Polarity SMA Plug, 10.0ft (3.0m)	25.80	23.22	20.64	18.06	15.48
CA-AM1RSPA020	195-Series Pigtails, 3/4" (1.9cm) NMO Mount / Rev. Polarity SMA Plug, 20.0ft (6.1m)	30.60	27.54	24.48	21.42	18.36
CA-AM1RTPA002	195-Series Pigtails, 3/4" (1.9cm) NMO Mount / Rev. Polarity TNC Plug, 2.0ft (0.6m)	21.95	19.75	17.56	15.36	13.17
CA-AM1RTPA004	195-Series Pigtails, 3/4" (1.9cm) NMO Mount / Rev. Polarity TNC Plug, 4.0ft (1.2m)	22.90	20.61	18.32	16.03	13.74
CA-AM1RTPA010	195-Series Pigtails, 3/4" (1.9cm) NMO Mount / Rev. Polarity TNC Plug, 10.0ft (3.0m)	25.80	23.22	20.64	18.06	15.48
CA-AM1RTPA020	195-Series Pigtails, 3/4" (1.9cm) NMO Mount / Rev. Polarity TNC Plug, 20.0ft (6.1m)	30.60	27.54	24.48	21.42	18.36
CA-AM1NMA002	195-Series Pigtails, 3/4" (1.9cm) NMO Mount / Type N Male, 2.0ft (0.6m)	22.55	20.30	18.04	15.79	13.53
CA-AM1NMA004	195-Series Pigtails, 3/4" (1.9cm) NMO Mount / Type N Male, 4.0ft (1.2m)	23.50	21.15	18.80	16.45	14.10
CA-AM1NMA010	195-Series Pigtails, 3/4" (1.9cm) NMO Mount / Type N Male, 10.0ft (3.0m)	26.40	23.76	21.12	18.48	15.84
CA-AM1NMA020	195-Series Pigtails, 3/4" (1.9cm) NMO Mount / Type N Male, 20.0ft (6.1m)	31.20	28.08	24.96	21.84	18.72
CA-AMNMA002	195-Series Pigtails, AlProx Male / Type N Male, 2.0ft (0.6m)	21.00	19.32	17.64	15.96	14.28
CA-AMNMA004	195-Series Pigtails, AlProx Male / Type N Male, 4.0ft (1.2m)	21.50	19.78	18.06	16.34	14.62
CA-AMNMA010	195-Series Pigtails, AlProx Male / Type N Male, 10.0ft (3.0m)	24.50	22.54	20.58	18.62	16.66
CA-AMNMA020	195-Series Pigtails, AlProx Male / Type N Male, 20.0ft (6.1m)	29.50	27.14	24.78	22.42	20.06
CA-BMRBMA002	195-Series Pigtails, BNC Male Right Angle / BNC Male, 2.0ft (0.6m)	24.00	21.60	19.20	16.80	14.40
CA-BMRBMA004	195-Series Pigtails, BNC Male Right Angle / BNC Male, 4.0ft (1.2m)	25.20	22.68	20.16	17.64	15.12
CA-BMRBMA010	195-Series Pigtails, BNC Male Right Angle / BNC Male, 10.0ft (3.0m)	28.80	25.92	23.04	20.16	17.28
CA-BMRBMA020	195-Series Pigtails, BNC Male Right Angle / BNC Male, 20.0ft (6.1m)	34.80	31.32	27.84	24.36	20.88
CA-BMRBMRA002	195-Series Pigtails, BNC Male Right Angle / BNC Male Right Angle, 2.0ft (0.6m)	26.40	23.76	21.12	18.48	15.84
CA-BMRBMRA004	195-Series Pigtails, BNC Male Right Angle / BNC Male Right Angle, 4.0ft (1.2m)	27.60	24.84	22.08	19.32	16.56
CA-BMRBMRA010	195-Series Pigtails, BNC Male Right Angle / BNC Male Right Angle, 10.0ft (3.0m)	31.20	28.08	24.96	21.84	18.72
CA-BMRBMRA020	195-Series Pigtails, BNC Male Right Angle / BNC Male Right Angle, 20.0ft (6.1m)	37.20	33.48	29.76	26.04	22.32
CA-FMNMA002	195-Series Pigtails, Type F Male / Type N Male, 2.0ft (0.6m)	16.95	15.25	13.56	11.86	10.17
CA-FMNMA004	195-Series Pigtails, Type F Male / Type N Male, 4.0ft (1.2m)	17.80	16.02	14.24	12.46	10.68
CA-FMNMA010	195-Series Pigtails, Type F Male / Type N Male, 10.0ft (3.0m)	21.70	19.53	17.36	15.19	13.02
CA-FMNMA020	195-Series Pigtails, Type F Male / Type N Male, 20.0ft (6.1m)	29.30	26.37	23.44	20.51	17.58
CA-NMNMA002	195-Series Pigtails, Type N Male / Type N Male, 2.0ft (0.6m)	14.70	13.23	11.76	10.29	8.82
CA-NMNMA004	195-Series Pigtails, Type N Male / Type N Male, 4.0ft (1.2m)	15.70	14.13	12.56	10.99	9.42
CA-NMNMA010	195-Series Pigtails, Type N Male / Type N Male, 10.0ft (3.0m)	18.70	16.83	14.96	13.09	11.22
CA-NMNMA020	195-Series Pigtails, Type N Male / Type N Male, 20.0ft (6.1m)	23.70	21.33	18.96	16.59	14.22
CA-NMRNMA002	195-Series Pigtails, Type N Male Right Angle / Type N Male, 2.0ft (0.6m)	30.00	27.00	24.00	21.00	18.00
CA-NMRNMA004	195-Series Pigtails, Type N Male Right Angle / Type N Male, 4.0ft (1.2m)	31.00	27.90	24.80	21.70	18.60
CA-NMRNMA010	195-Series Pigtails, Type N Male Right Angle / Type N Male, 10.0ft (3.0m)	34.00	30.60	27.20	23.80	CALL
CA-NMRNMA020	195-Series Pigtails, Type N Male Right Angle / Type N Male, 20.0ft (6.1m)	39.00	35.10	31.20	27.30	CALL
CA-NMNFA002	195-Series Pigtails, Type N Male / Type N Female, 2.0ft (0.6m)	14.70	13.23	11.76	10.29	8.82
CA-NMNFA004	195-Series Pigtails, Type N Male / Type N Female, 4.0ft (1.2m)	15.70	14.13	12.56	10.99	9.42
CA-NMNFA010	195-Series Pigtails, Type N Male / Type N Female, 10.0ft (3.0m)	18.70	16.83	14.96	13.09	11.22
CA-NMNFA020	195-Series Pigtails, Type N Male / Type N Female, 20.0ft (6.1m)	23.70	21.33	18.96	16.59	14.22
CA-NMRRSPA002	195-Series Pigtails, Type N Male Right Angle / Rev. Polarity SMA Plug, 2.0ft (0.6m)	27.70	24.93	22.16	19.39	16.62
CA-NMRRSPA004	195-Series Pigtails, Type N Male Right Angle / Rev. Polarity SMA Plug, 4.0ft (1.2m)	28.95	26.05	23.16	20.26	17.37
CA-NMRRSPA010	195-Series Pigtails, Type N Male Right Angle / Rev. Polarity SMA Plug, 10.0ft (3.0m)	32.70	29.43	26.16	22.89	19.62
CA-NMRRSPA020	195-Series Pigtails, Type N Male Right Angle / Rev. Polarity SMA Plug, 20.0ft (6.1m)	38.95	35.06	31.16	27.27	23.37
CA-NMRRSJA002	195-Series Pigtails, Type N Male Right Angle / Rev. Polarity SMA Jack, 2.0ft (0.6m)	24.95	22.45	19.96	17.46	14.97
CA-NMRRSJA004	195-Series Pigtails, Type N Male Right Angle / Rev. Polarity SMA Jack, 4.0ft (1.2m)	26.15	23.54	20.92	18.30	15.69
CA-NMRRSJA010	195-Series Pigtails, Type N Male Right Angle / Rev. Polarity SMA Jack, 10.0ft (3.0m)	29.75	26.78	23.80	20.82	17.85
CA-NMRRSJA020	195-Series Pigtails, Type N Male Right Angle / Rev. Polarity SMA Jack, 20.0ft (6.1m)	35.75	32.18	28.60	25.02	21.45
CA-NMRSMA002	195-Series Pigtails, Type N Male Right Angle / SMA Male, 2.0ft (0.6m)	24.95	22.45	19.96	17.46	14.97
CA-NMRSMA004	195-Series Pigtails, Type N Male Right Angle / SMA Male, 4.0ft (1.2m)	26.15	23.54	20.92	18.30	15.69
CA-NMRSMA010	195-Series Pigtails, Type N Male Right Angle / SMA Male, 10.0ft (3.0m)	29.75	26.78	23.80	20.82	17.85
CA-NMRSMA020	195-Series Pigtails, Type N Male Right Angle / SMA Male, 20.0ft (6.1m)	35.75	32.18	28.60	25.02	21.45
CA-NMRTMA002	195-Series Pigtails, Type N Male Right Angle / TNC Male, 2.0ft (0.6m)	24.95	22.45	19.96	17.46	14.97
CA-NMRTMA004	195-Series Pigtails, Type N Male Right Angle / TNC Male, 4.0ft (1.2m)	26.15	23.54	20.92	18.30	15.69
CA-NMRTMA010	195-Series Pigtails, Type N Male Right Angle / TNC Male, 10.0ft (3.0m)	29.75	26.78	23.80	20.82	17.85
CA-NMRTMA020	195-Series Pigtails, Type N Male Right Angle / TNC Male, 20.0ft (6.1m)	35.75	32.18	28.60	25.02	21.45

LOW-LOSS CABLES


CA-SBPSBPRCN12


CA-AM1RSPA002


CA-BMRBMA002


CA-NMNMA002


CA-NMNFA002

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LOW-LOSS CABLES


CA-QPRQPRA002


CA-QPRQJBA002


CA-QPRSMA002

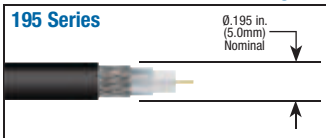

CA-QPRSFA002


CA-RBPNFBA002


CA-RSPRSJA010

195-Series 50 Ohm Coaxial Pigtails

195 Series



50 Ohm Impedance

195R Series Low-Loss Cable

- Center Conductor: Solid bare copper
- Shielding: Foil + tinned copper braid (90% coverage)
- Insulation: Physical foam polyethylene (PTFE for Plenum Rated)
- Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated)
- Operating Temperature: -20°C - +60°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
900	11.1	36.5
1800	16.0	52.5
2500	19.0	62.4
5800	29.9	98.1

Item #	Description	1-9	10-24	25-99	100-249	250-499
CA-QPNMA002	195-Series Pigtails, QMA Plug / Type N Male, 2.0ft (0.6m)	25.40	22.86	20.32	17.78	15.24
CA-QPNMA004	195-Series Pigtails, QMA Plug / Type N Male, 4.0ft (1.2m)	27.00	24.30	21.60	18.90	16.20
CA-QPNMA010	195-Series Pigtails, QMA Plug / Type N Male, 10.0ft (3.0m)	31.80	28.62	25.44	22.26	19.08
CA-QPNMA020	195-Series Pigtails, QMA Plug / Type N Male, 20.0ft (6.1m)	39.80	35.82	31.84	27.86	23.88
CA-QPRSFA002	195-Series Pigtails, QMA Plug Right Angle / SMA Female, 2.0ft (0.6m)	21.30	19.17	17.04	14.91	12.78
CA-QPRSFA004	195-Series Pigtails, QMA Plug Right Angle / SMA Female, 4.0ft (1.2m)	23.00	20.70	18.40	16.10	13.80
CA-QPRSFA010	195-Series Pigtails, QMA Plug Right Angle / SMA Female, 10.0ft (3.0m)	26.45	23.80	21.16	18.51	15.87
CA-QPRSFA020	195-Series Pigtails, QMA Plug Right Angle / SMA Female, 20.0ft (6.1m)	36.75	33.08	29.40	25.72	22.05
CA-QPSFA002	195-Series Pigtails, QMA Plug / SMA Female, 2.0ft (0.6m)	21.00	18.90	16.80	14.70	12.60
CA-QPSFA004	195-Series Pigtails, QMA Plug / SMA Female, 4.0ft (1.2m)	22.75	20.48	18.20	15.92	13.65
CA-QPSFA010	195-Series Pigtails, QMA Plug / SMA Female, 10.0ft (3.0m)	26.15	23.54	20.92	18.30	15.69
CA-QPSFA020	195-Series Pigtails, QMA Plug / SMA Female, 20.0ft (6.1m)	36.45	32.81	29.16	25.52	21.87
CA-QPRSMA002	195-Series Pigtails, QMA Plug Right Angle / SMA Male, 2.0ft (0.6m)	20.90	18.81	16.72	14.63	12.54
CA-QPRSMA004	195-Series Pigtails, QMA Plug Right Angle / SMA Male, 4.0ft (1.2m)	22.60	20.34	18.08	15.82	13.56
CA-QPRSMA010	195-Series Pigtails, QMA Plug Right Angle / SMA Male, 10.0ft (3.0m)	26.05	23.45	20.84	18.23	15.63
CA-QPRSMA020	195-Series Pigtails, QMA Plug Right Angle / SMA Male, 20.0ft (6.1m)	36.35	32.72	29.08	25.45	21.81
CA-QPSMA002	195-Series Pigtails, QMA Plug / SMA Male, 2.0ft (0.6m)	20.60	18.54	16.48	14.42	12.36
CA-QPSMA004	195-Series Pigtails, QMA Plug / SMA Male, 4.0ft (1.2m)	22.30	20.07	17.84	15.61	13.38
CA-QPSMA010	195-Series Pigtails, QMA Plug / SMA Male, 10.0ft (3.0m)	25.75	23.18	20.60	18.02	15.45
CA-QPSMA020	195-Series Pigtails, QMA Plug / SMA Male, 20.0ft (6.1m)	36.00	32.40	28.80	25.20	21.60
CA-QPRQPRA002	195-Series Pigtails, QMA Plug Right Angle / QMA Plug Right Angle, 2.0ft (0.6m)	25.70	23.13	20.56	17.99	15.42
CA-QPRQPRA004	195-Series Pigtails, QMA Plug Right Angle / QMA Plug Right Angle, 4.0ft (1.2m)	27.40	24.66	21.92	19.18	16.44
CA-QPRQPRA010	195-Series Pigtails, QMA Plug Right Angle / QMA Plug Right Angle, 10.0ft (3.0m)	30.85	27.77	24.68	21.59	18.51
CA-QPRQPRA020	195-Series Pigtails, QMA Plug Right Angle / QMA Plug Right Angle, 20.0ft (6.1m)	41.15	37.03	32.92	28.80	24.69
CA-QPRQPA002	195-Series Pigtails, QMA Plug Right Angle / QMA Plug, 2.0ft (0.6m)	25.45	22.91	20.36	17.81	15.27
CA-QPRQPA004	195-Series Pigtails, QMA Plug Right Angle / QMA Plug, 4.0ft (1.2m)	27.15	24.43	21.72	19.00	16.29
CA-QPRQPA010	195-Series Pigtails, QMA Plug Right Angle / QMA Plug, 10.0ft (3.0m)	30.60	27.54	24.48	21.42	18.36
CA-QPRQPA020	195-Series Pigtails, QMA Plug Right Angle / QMA Plug, 20.0ft (6.1m)	40.90	36.81	32.72	28.63	24.54
CA-QPQPA002	195-Series Pigtails, QMA Plug / QMA Plug, 2.0ft (0.6m)	25.15	22.63	20.12	17.60	15.09
CA-QPQPA004	195-Series Pigtails, QMA Plug / QMA Plug, 4.0ft (1.2m)	26.90	24.21	21.52	18.83	16.14
CA-QPQPA010	195-Series Pigtails, QMA Plug / QMA Plug, 10.0ft (3.0m)	32.00	28.80	25.60	22.40	19.20
CA-QPQPA020	195-Series Pigtails, QMA Plug / QMA Plug, 20.0ft (6.1m)	40.60	36.54	32.48	28.42	24.36
CA-QPRQJBA002	195-Series Pigtails, QMA Plug Right Angle / QMA Jack Bulkhead, 2.0ft (0.6m)	25.60	23.04	20.48	17.92	15.36
CA-QPRQJBA004	195-Series Pigtails, QMA Plug Right Angle / QMA Jack Bulkhead, 4.0ft (1.2m)	27.30	24.57	21.84	19.11	16.38
CA-QPRQJBA010	195-Series Pigtails, QMA Plug Right Angle / QMA Jack Bulkhead, 10.0ft (3.0m)	30.75	27.68	24.60	21.52	18.45
CA-QPRQJBA020	195-Series Pigtails, QMA Plug Right Angle / QMA Jack Bulkhead, 20.0ft (6.1m)	41.00	36.90	32.80	28.70	24.60
CA-QPQJBA002	195-Series Pigtails, QMA Plug / QMA Jack Bulkhead, 2.0ft (0.6m)	25.50	22.95	20.40	17.85	15.30
CA-QPQJBA004	195-Series Pigtails, QMA Plug / QMA Jack Bulkhead, 4.0ft (1.2m)	27.20	24.48	21.76	19.04	16.32
CA-QPQJBA010	195-Series Pigtails, QMA Plug / QMA Jack Bulkhead, 10.0ft (3.0m)	30.65	27.59	24.52	21.45	18.39
CA-QPQJBA020	195-Series Pigtails, QMA Plug / QMA Jack Bulkhead, 20.0ft (6.1m)	40.95	36.86	32.76	28.66	24.57
CA-RBPNMA002	195-Series Pigtails, Reverse Polarity BNC Plug / Type N Male, 2.0ft (0.6m)	17.99	16.19	14.39	12.59	10.79
CA-RBPNMA004	195-Series Pigtails, Reverse Polarity BNC Plug / Type N Male, 4.0ft (1.2m)	19.50	17.55	15.60	13.65	11.70
CA-RBPNMA010	195-Series Pigtails, Reverse Polarity BNC Plug / Type N Male, 10.0ft (3.0m)	23.95	21.55	19.16	16.76	14.37
CA-RBPNMA020	195-Series Pigtails, Reverse Polarity BNC Plug / Type N Male, 20.0ft (6.1m)	31.45	28.30	25.16	22.01	18.87
CA-RBPNFA002	195-Series Pigtails, Reverse Polarity BNC Plug / Type N Female, 2.0ft (0.6m)	17.60	15.84	14.08	12.32	10.56
CA-RBPNFA004	195-Series Pigtails, Reverse Polarity BNC Plug / Type N Female, 4.0ft (1.2m)	19.30	17.37	15.44	13.51	11.58
CA-RBPNFA010	195-Series Pigtails, Reverse Polarity BNC Plug / Type N Female, 10.0ft (3.0m)	22.75	20.48	18.20	15.92	13.65
CA-RBPNFA020	195-Series Pigtails, Reverse Polarity BNC Plug / Type N Female, 20.0ft (6.1m)	30.05	27.05	24.04	21.04	18.03
CA-RBPNFBA002	195-Series Pigtails, Rev. Polarity BNC Plug / Type N Female Bulkhead, 2.0ft (0.6m)	21.75	19.57	17.40	15.22	13.05
CA-RBPNFBA004	195-Series Pigtails, Rev. Polarity BNC Plug / Type N Female Bulkhead, 4.0ft (1.2m)	23.75	21.38	19.00	16.63	14.25
CA-RBPNFBA010	195-Series Pigtails, Rev. Polarity BNC Plug / Type N Female Bulkhead, 10.0ft (3.0m)	29.75	26.78	23.80	20.82	17.85
CA-RBPNFBA020	195-Series Pigtails, Rev. Polarity BNC Plug / Type N Female Bulkhead, 20.0ft (6.1m)	39.75	35.77	31.80	27.82	23.85
CA-RSPNMA002	195-Series Pigtails, Reverse Polarity SMA Plug / Type N Male, 2.0ft (0.6m)	12.75	11.47	10.20	8.92	7.65
CA-RSPNMA004	195-Series Pigtails, Reverse Polarity SMA Plug / Type N Male, 4.0ft (1.2m)	13.80	12.42	11.04	9.66	8.28
CA-RSPNMA010	195-Series Pigtails, Reverse Polarity SMA Plug / Type N Male, 10.0ft (3.0m)	17.00	15.30	13.60	11.90	10.20
CA-RSPNMA020	195-Series Pigtails, Reverse Polarity SMA Plug / Type N Male, 20.0ft (6.1m)	22.30	20.07	17.84	15.61	13.38
CA-RSPNMB001	195-Series White Pigtails, Reverse Polarity SMA Plug / Type N Male, 1.0ft (0.3m)	10.95	9.86	8.76	7.66	6.57
CA-RSPNMB002	195-Series White Pigtails, Reverse Polarity SMA Plug / Type N Male, 2.0ft (0.6m)	12.75	11.47	10.20	8.92	7.65
CA-RSPNMB004	195-Series White Pigtails, Reverse Polarity SMA Plug / Type N Male, 4.0ft (1.2m)	14.05	12.65	11.24	9.83	8.43
CA-RSPNMB010	195-Series White Pigtails, Reverse Polarity SMA Plug / Type N Male, 10.0ft (3.0m)	17.95	16.16	14.36	12.56	10.77
CA-RSPNMB020	195-Series White Pigtails, Reverse Polarity SMA Plug / Type N Male, 20.0ft (6.1m)	24.45	22.00	19.56	17.11	14.67
CA-RSPNFA002	195-Series Pigtails, Reverse Polarity SMA Plug / Type N Female, 2.0ft (0.6m)	13.25	11.93	10.60	9.27	7.95
CA-RSPNFA004	195-Series Pigtails, Reverse Polarity SMA Plug / Type N Female, 4.0ft (1.2m)	14.35	12.91	11.48	10.04	8.61
CA-RSPNFA010	195-Series Pigtails, Reverse Polarity SMA Plug / Type N Female, 10.0ft (3.0m)	17.65	15.88	14.12	12.35	10.59
CA-RSPNFA020	195-Series Pigtails, Reverse Polarity SMA Plug / Type N Female, 20.0ft (6.1m)	23.15	20.84	18.52	16.20	13.89
CA-RSPNFBA002	195-Series Pigtails, Rev. Polarity SMA Plug / Type N Female Bulkhead, 2.0ft (0.6m)	16.50	14.85	13.20	11.55	9.90
CA-RSPNFBA004	195-Series Pigtails, Rev. Polarity SMA Plug / Type N Female Bulkhead, 4.0ft (1.2m)	17.50	15.75	14.00	12.25	10.50
CA-RSPNFBA010	195-Series Pigtails, Rev. Polarity SMA Plug / Type N Female Bulkhead, 10.0ft (3.0m)	20.50	18.45	16.40	14.35	12.30
CA-RSPNFBA020	195-Series Pigtails, Rev. Polarity SMA Plug / Type N Female Bulkhead, 20.0ft (6.1m)	25.50	22.95	20.40	17.85	15.30
CA-RSPRSJA002	195-Series Pigtails, Rev. Polarity SMA Plug / Rev. Polarity SMA Jack, 2.0ft (0.6m)	10.70	9.63	8.56	7.49	6.42
CA-RSPRSJA004	195-Series Pigtails, Rev. Polarity SMA Plug / Rev. Polarity SMA Jack, 4.0ft (1.2m)	11.75	10.58	9.40	8.22	7.05
CA-RSPRSJA010	195-Series Pigtails, Rev. Polarity SMA Plug / Rev. Polarity SMA Jack, 10.0ft (3.0m)	14.95	13.46	11.96	10.46	8.97
CA-RSPRSJA020	195-Series Pigtails, Rev. Polarity SMA Plug / Rev. Polarity SMA Jack, 20.0ft (6.1m)	20.25	18.23	16.20	14.17	12.15
CA-RSPRTPA002	195-Series Pigtails, Rev. Polarity SMA Plug / Rev. Polarity TNC Plug, 2.0ft (0.6m)	10.30	9.27	8.24	7.21	6.18
CA-RSPRTPA004	195-Series Pigtails, Rev. Polarity SMA Plug / Reverse Polarity TNC Plug, 4.0ft (1.2m)	11.30	10.17	9.04	7.91	6.78
CA-RSPRTPA010	195-Series Pigtails, Rev. Polarity SMA Plug / Rev. Polarity TNC Plug, 10.0ft (3.0m)	14.30	12.87	11.44	10.01	8.58
CA-RSPRTPA020	195-Series Pigtails, Rev. Polarity SMA Plug / Rev. Polarity TNC Plug, 20.0ft (6.1m)	19.30	17.37	15.44	13.51	11.58
CA-RSPRNPA002	195-Series Pigtails, Rev. Polarity SMA Plug / Rev. Polarity Type N Plug, 2.0ft (0.6m)	24.95	22.45	19.96	17.46	14.97
CA-RSPRNPA004	195-Series Pigtails, Rev. Polarity SMA Plug / Rev. Polarity Type N Plug, 4.0ft (1.2m)	25.60	23.04	20.48	17.92	15.36

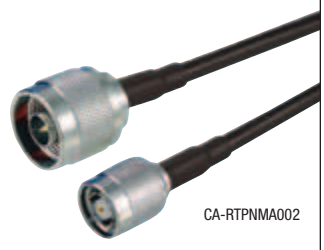
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195-Series 50 Ohm Coaxial Pigtails

Item #	Description	1-9	10-24	25-99	100-249	250-499
CA-RSPRNPA010	195-Series Pigtails, Rev. Polarity SMA Plug / Rev. Polarity Type N Plug, 10.0ft (3.0m)	29.80	26.82	23.84	20.86	17.88
CA-RSPRNPA020	195-Series Pigtails, Rev. Polarity SMA Plug / Rev. Polarity Type N Plug, 20.0ft (6.1m)	36.80	33.12	29.44	25.76	22.08
CA-RSJRTPB002	195-Series White Pigtails, Rev. Pol. SMA Jack / Rev. Polarity TNC Plug, 2.0ft (0.6m)	22.80	20.52	18.24	15.96	13.68
CA-RSJRTPB004	195-Series Wht. Pigtails, Rev. Pol. SMA Jack / Rev. Polarity TNC Plug, 4.0ft (1.2m)	24.00	21.60	19.20	16.80	14.40
CA-RSJRTPB010	195-Series White Pigtails, Rev. Polarity SMA Jack / Rev. Pol. TNC Plug, 10.0ft (3.0m)	27.60	24.84	22.08	19.32	16.56
CA-RSJRTPB020	195-Series White Pigtails, Rev. Polarity SMA Jack / Rev. Pol. TNC Plug, 20.0ft (6.1m)	33.60	30.24	26.88	23.52	20.16
CA-RSJRTPA002	195-Series Pigtails, Rev. Polarity SMA Jack / Rev. Polarity TNC Plug, 2.0ft (0.6m)	22.20	19.98	17.76	15.54	13.32
CA-RSJRTPA004	195-Series Pigtails, Rev. Polarity SMA Jack / Rev. Polarity TNC Plug, 4.0ft (1.2m)	23.40	21.06	18.72	16.38	14.04
CA-RSJRTPA010	195-Series Pigtails, Rev. Polarity SMA Jack / Rev. Polarity TNC Plug, 10.0ft (3.0m)	27.00	24.30	21.60	18.90	16.20
CA-RSJRTPA020	195-Series Pigtails, Rev. Polarity SMA Jack / Rev. Polarity TNC Plug, 20.0ft (6.1m)	33.00	29.70	26.40	23.10	19.80
CA-RTPNMB001	195-Series White Pigtails, Reverse Polarity TNC Plug / Type N Male, 1.0ft (0.3m)	9.99	8.99	7.99	6.99	CALL
CA-RTPNMA002	195-Series Pigtails, Reverse Polarity TNC Plug / Type N Male, 2.0ft (0.6m)	9.99	8.99	7.99	6.99	5.99
CA-RTPNMA004	195-Series Pigtails, Reverse Polarity TNC Plug / Type N Male, 4.0ft (1.2m)	12.99	11.69	10.39	9.09	7.79
CA-RTPNMA010	195-Series Pigtails, Reverse Polarity TNC Plug / Type N Male, 10.0ft (3.0m)	14.99	13.49	11.99	10.49	8.99
CA-RTPNMA020	195-Series Pigtails, Reverse Polarity TNC Plug / Type N Male, 20.0ft (6.1m)	17.99	16.19	14.39	12.59	10.79
CA-RTPRNMRA002	195-Series Pigtails, Rev. Pol. TNC Plug Rt. Angle / Type N Male Rt. Angle, 2.0ft (0.6m)	14.99	13.79	12.59	11.39	10.19
CA-RTPRNMA002	195-Series Pigtails, Rev. Polarity TNC Plug Right Angle / Type N Male, 2.0ft (0.6m)	14.99	13.79	12.59	11.39	10.19
CA-RTPRNMA004	195-Series Pigtails, Rev. Polarity TNC Plug Right Angle / Type N Male, 4.0ft (1.2m)	22.00	19.80	17.60	15.40	13.20
CA-RTPRNMA010	195-Series Pigtails, Rev. Polarity TNC Plug Right Angle / Type N Male, 10.0ft (3.0m)	25.00	22.50	20.00	17.50	15.00
CA-RTPRNMA020	195-Series Pigtails, Rev. Pol. TNC Plug Right Angle / Type N Male, 20.0ft (6.1m)	27.00	24.30	21.60	18.90	16.20
CA-RTPNFA002	195-Series Pigtails, Reverse Polarity TNC Plug / Type N Female, 2.0ft (0.6m)	15.00	13.50	12.00	10.50	9.00
CA-RTPNFA004	195-Series Pigtails, Reverse Polarity TNC Plug / Type N Female, 4.0ft (1.2m)	16.00	14.40	12.80	11.20	9.60
CA-RTPNFA010	195-Series Pigtails, Reverse Polarity TNC Plug / Type N Female, 10.0ft (3.0m)	19.00	18.24	17.48	16.15	14.25
CA-RTPNFA020	195-Series Pigtails, Reverse Polarity TNC Plug / Type N Female, 20.0ft (6.1m)	24.00	21.60	19.20	16.80	14.40
CA-RTPNFBA002	195-Series Pigtails, Rev. Polarity TNC Plug / Type N Female Bulkhead, 2.0ft (0.6m)	19.00	17.10	15.20	13.30	11.40
CA-RTPNFBA004	195-Series Pigtails, Rev. Polarity TNC Plug / Type N Female Bulkhead, 4.0ft (1.2m)	20.00	18.00	16.00	14.00	12.00
CA-RTPNFBA010	195-Series Pigtails, Rev. Polarity TNC Plug / Type N Female Bulkhead, 10.0ft (3.0m)	23.00	20.70	18.40	16.10	13.80
CA-RTPNFBA020	195-Series Pigtails, Rev. Polarity TNC Plug / Type N Female Bulkhead, 20.0ft (6.1m)	28.00	25.20	22.40	19.60	16.80
CA-RTPRTJA002	195-Series Pigtails, Reverse Polarity TNC Plug / Rev. Polarity TNC Jack, 2.0ft (0.6m)	13.00	11.70	10.40	9.10	7.80
CA-RTPRTJA004	195-Series Pigtails, Reverse Polarity TNC Plug / Rev. Polarity TNC Jack, 4.0ft (1.2m)	14.00	12.60	11.20	9.80	8.40
CA-RTPRTJA010	195-Series Pigtails, Rev. Polarity TNC Plug / Rev. Polarity TNC Jack, 10.0ft (3.0m)	17.00	15.30	13.60	11.90	10.20
CA-RTPRTJA020	195-Series Pigtails, Rev. Polarity TNC Plug / Rev. Polarity TNC Jack, 20.0ft (6.1m)	22.00	19.80	17.60	15.40	13.20
CA-RTPRTPA002	195-Series Pigtails, Reverse Polarity TNC Plug / Rev. Polarity TNC Plug, 2.0ft (0.6m)	9.99	8.99	7.99	6.99	5.99
CA-RTPRTPA004	195-Series Pigtails, Reverse Polarity TNC Plug / Rev. Polarity TNC Plug, 4.0ft (1.2m)	12.99	11.69	10.39	9.09	7.79
CA-RTPRTPA010	195-Series Pigtails, Rev. Polarity TNC Plug / Rev. Polarity TNC Plug, 10.0ft (3.0m)	14.99	13.49	11.99	10.49	8.99
CA-RTPRTPA020	195-Series Pigtails, Rev. Polarity TNC Plug / Rev. Polarity TNC Plug, 20.0ft (6.1m)	17.99	16.19	14.39	12.59	10.79
CA-SMNMA002	195-Series Pigtails, SMA Male / Type N Male, 2.0ft (0.6m)	15.00	13.50	12.00	10.50	9.00
CA-SMNMA004	195-Series Pigtails, SMA Male / Type N Male, 4.0ft (1.2m)	16.00	14.40	12.80	11.20	9.60
CA-SMNMA010	195-Series Pigtails, SMA Male / Type N Male, 10.0ft (3.0m)	19.00	17.10	15.20	13.30	11.40
CA-SMNMA020	195-Series Pigtails, SMA Male / Type N Male, 20.0ft (6.1m)	24.00	21.60	19.20	16.80	14.40
CA-SMRNMA002	195-Series Pigtails, SMA Male Right Angle / Type N Male, 2.0ft (0.6m)	17.99	16.19	14.39	12.59	10.79
CA-SMRNMA004	195-Series Pigtails, SMA Male Right Angle / Type N Male, 4.0ft (1.2m)	19.70	17.73	15.76	13.79	11.82
CA-SMRNMA010	195-Series Pigtails, SMA Male Right Angle / Type N Male, 10.0ft (3.0m)	24.80	22.32	19.84	17.36	14.88
CA-SMRNMA020	195-Series Pigtails, SMA Male Right Angle / Type N Male, 20.0ft (6.1m)	33.30	29.97	26.64	23.31	19.98
CA-SMRNFBA002	195-Series Pigtails, SMA Male Right Angle / Type N Female Bulkhead, 2.0ft (0.6m)	21.99	19.79	17.59	15.39	13.19
CA-SMRNFBA004	195-Series Pigtails, SMA Male Right Angle / Type N Female Bulkhead, 4.0ft (1.2m)	23.99	21.59	19.19	16.79	14.39
CA-SMRNFBA010	195-Series Pigtails, SMA Male Right Angle / Type N Female Bulkhead, 10.0ft (3.0m)	29.99	26.99	23.99	20.99	17.99
CA-SMRNFBA020	195-Series Pigtails, SMA Male Right Angle / Type N Female Bulkhead, 20.0ft (6.1m)	39.99	35.99	31.99	27.99	23.99
CA-SMRNFA002	195-Series Pigtails, SMA Male Right Angle / Type N Female, 2.0ft (0.6m)	17.99	16.19	14.39	12.59	10.79
CA-SMRNFA004	195-Series Pigtails, SMA Male Right Angle / Type N Female, 4.0ft (1.2m)	25.60	23.04	20.48	17.92	15.36
CA-SMRNFA010	195-Series Pigtails, SMA Male Right Angle / Type N Female, 10.0ft (3.0m)	29.20	26.86	24.53	22.19	19.86
CA-SMRNFA020	195-Series Pigtails, SMA Male Right Angle / Type N Female, 20.0ft (6.1m)	35.20	32.38	29.57	26.75	23.94
CA-SMNFBA002	195-Series Pigtails, SMA Male / Type N Female Bulkhead, 2.0ft (0.6m)	21.99	19.79	17.59	15.39	13.19
CA-SMNFBA004	195-Series Pigtails, SMA Male / Type N Female Bulkhead, 4.0ft (1.2m)	26.80	24.12	21.44	18.76	16.08
CA-SMNFBA010	195-Series Pigtails, SMA Male / Type N Female Bulkhead, 10.0ft (3.0m)	30.40	27.36	24.32	21.28	18.24
CA-SMNFBA020	195-Series Pigtails, SMA Male / Type N Female Bulkhead, 20.0ft (6.1m)	36.40	32.76	29.12	25.48	21.84
CA-SMNFA002	195-Series Pigtails, SMA Male / Type N Female, 2.0ft (0.6m)	14.99	13.49	11.99	10.49	8.99
CA-SMNFA004	195-Series Pigtails, SMA Male / Type N Female, 4.0ft (1.2m)	15.99	14.39	12.79	11.19	9.59
CA-SMNFA010	195-Series Pigtails, SMA Male / Type N Female, 10.0ft (3.0m)	18.99	17.09	15.19	13.29	11.39
CA-SMNFA020	195-Series Pigtails, SMA Male / Type N Female, 20.0ft (6.1m)	23.99	21.59	19.19	16.79	14.39
CA-SSMNMAN06	195-Series Pigtails, Shrouded SMA Male / Type N Male, 6.0" (15 cm)	10.49	9.44	8.39	7.34	CALL
CA-SSMNMA002	195-Series Pigtails, Shrouded SMA Male / Type N Male, 2.0ft (0.6m)	15.99	14.71	13.43	12.15	10.87
CA-SSMNFAN06	195-Series Pigtails, Shrouded SMA Male / Type N Female, 6.0" (15 cm)	10.49	9.44	8.39	7.34	CALL
CA-TMNMA002	195-Series Pigtails, TNC Male / Type N Male, 2.0ft (0.6m)	14.99	13.49	11.99	10.49	8.99
CA-TMNMA004	195-Series Pigtails, TNC Male / Type N Male, 4.0ft (1.2m)	15.99	14.39	12.79	11.19	9.59
CA-TMNMA010	195-Series Pigtails, TNC Male / Type N Male, 10.0ft (3.0m)	18.99	17.09	15.19	13.29	11.39
CA-TMNMA020	195-Series Pigtails, TNC Male / Type N Male, 20.0ft (6.1m)	23.99	21.59	19.19	16.79	14.39
CA-TMNFA002	195-Series Pigtails, TNC Male / Type N Female, 2.0ft (0.6m)	16.99	15.29	13.59	11.89	10.19
CA-TMNFA004	195-Series Pigtails, TNC Male / Type N Female, 4.0ft (1.2m)	17.80	16.02	14.24	12.46	10.68
CA-TMNFA010	195-Series Pigtails, TNC Male / Type N Female, 10.0ft (3.0m)	21.99	19.79	17.59	15.39	13.19
CA-TMNFA020	195-Series Pigtails, TNC Male / Type N Female, 20.0ft (6.1m)	29.99	26.99	23.99	20.99	17.99
CA-WMNMA002	195-Series Pigtails, WaveRider Male / Type N Male, 2.0ft (0.6m)	16.99	15.63	14.27	12.91	11.55
CA-WMNMA004	195-Series Pigtails, WaveRider Male / Type N Male, 4.0ft (1.2m)	17.89	16.46	15.03	13.60	12.17
CA-WMNMA005	195-Series Pigtails, WaveRider Male / Type N Male, 5.0ft (1.5m)	18.24	16.78	15.32	13.86	12.40
CA-WMNMA010	195-Series Pigtails, WaveRider Male / Type N Male, 10.0ft (3.0m)	20.59	18.94	17.30	15.65	14.00
CA-WMNMA020	195-Series Pigtails, WaveRider Male / Type N Male, 20.0ft (6.1m)	29.99	27.59	25.19	22.79	20.39
CA-WMNFA002	195-Series Pigtails, WaveRider Male / Type N Female, 2.0ft (0.6m)	16.99	15.63	14.27	12.91	11.55
CA-WMNFA004	195-Series Pigtails, WaveRider Male / Type N Female, 4.0ft (1.2m)	17.89	16.46	15.03	13.60	12.17
CA-WMNFA010	195-Series Pigtails, WaveRider Male / Type N Female, 10.0ft (3.0m)	20.59	18.94	17.30	15.65	14.00
CA-WMNFA020	195-Series Pigtails, WaveRider Male / Type N Female, 20.0ft (6.1m)	29.99	27.59	25.19	22.79	20.39

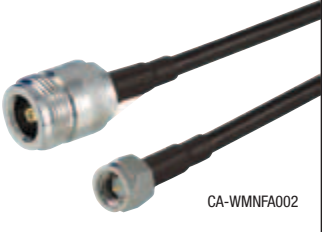
LOW-LOSS CABLES


CA-RTPNMA002


CA-RTPRTJA002


CA-SMRNFBA002

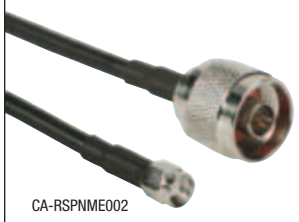

CA-TMNMA002


CA-WMNFA002

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LOW-LOSS CABLES


CA-RSPNME002


CA-NMNMT002


CA-RTPNFT002

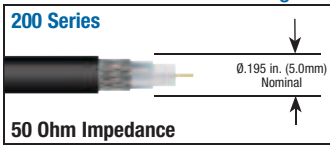

CA4NMRSF002


CA4RTPRTP010

Item #	Description	1-9	10-24	25-99	100-249	250-499

200-Series 50 Ohm Coaxial Pigtails

200 Series



50 Ohm Impedance

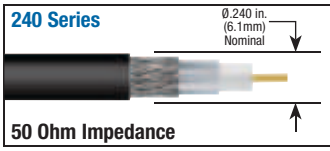
200 Series Low-Loss Cable
- Center Conductor: Solid copper
- Shielding: Foil + tinned copper braid (90% coverage)
- Insulation: Physical foam polyethylene
- Jacket: Polyethylene
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
900	9.9	32.6
1800	14.2	46.6
2500	16.9	55.4
5800	26.4	86.5

CA-NMNME002	200-Series Cable, Type N Male / Type N Male, 2.0ft (0.6m)	25.00	22.50	20.00	17.50	15.00
CA-NMNME004	200-Series Cable, Type N Male / Type N Male, 4.0ft (1.2m)	26.00	23.40	20.80	18.20	15.60
CA-NMNME010	200-Series Cable, Type N Male / Type N Male, 10.0ft (3.0m)	29.00	26.10	23.20	20.30	17.40
CA-NMNME020	200-Series Cable, Type N Male / Type N Male, 20.0ft (6.1m)	34.00	30.60	27.20	23.80	20.40
CA-NMNME050	200-Series Cable, Type N Male / Type N Male, 50.0ft (15.2m)	48.00	43.20	38.40	33.60	28.80
CA-NMNFE002	200-Series Cable, Type N Male / Type N Female, 2.0ft (0.6m)	25.00	22.50	20.00	17.50	15.00
CA-NMNFE004	200-Series Cable, Type N Male / Type N Female, 4.0ft (1.2m)	26.00	23.40	20.80	18.20	15.60
CA-NMNFE010	200-Series Cable, Type N Male / Type N Female, 10.0ft (3.0m)	29.00	26.10	23.20	20.30	17.40
CA-NMNFE020	200-Series Cable, Type N Male / Type N Female, 20.0ft (6.1m)	34.00	30.60	27.20	23.80	20.40
CA-RSPNME002	200-Series Cable, Reverse Polarity SMA Plug / Type N Male, 2.0ft (0.6m)	25.00	22.50	20.00	17.50	15.00
CA-RSPNME004	200-Series Cable, Reverse Polarity SMA Plug / Type N Male, 4.0ft (1.2m)	26.00	23.40	20.80	18.20	15.60
CA-RSPNME010	200-Series Cable, Reverse Polarity SMA Plug / Type N Male, 10.0ft (3.0m)	29.00	26.10	23.20	20.30	17.40
CA-RSPNME020	200-Series Cable, Reverse Polarity SMA Plug / Type N Male, 20.0ft (6.1m)	34.00	30.60	27.20	23.80	20.40
CA-RTPNME002	200-Series Cable, Reverse Polarity TNC Plug / Type N Male, 2.0ft (0.6m)	25.00	22.50	20.00	17.50	15.00
CA-RTPNME004	200-Series Cable, Reverse Polarity TNC Plug / Type N Male, 4.0ft (1.2m)	26.00	23.40	20.80	18.20	15.60
CA-RTPNME010	200-Series Cable, Reverse Polarity TNC Plug / Type N Male, 10.0ft (3.0m)	29.00	26.10	23.20	20.30	17.40
CA-RTPNME020	200-Series Cable, Reverse Polarity TNC Plug / Type N Male, 20.0ft (6.1m)	34.00	30.60	27.20	23.80	20.40

240-Series 50 Ohm Coaxial Pigtails

240 Series



50 Ohm Impedance

240 Series Low-Loss Cable
- Center Conductor: Solid copper
- Shielding: Foil + tinned copper braid
- Insulation: Physical foam polyethylene
- Jacket: Polyethylene
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
900	7.6	24.8
1800	10.9	35.6
2500	12.9	45.4
5800	20.4	66.8

CA-NMNMT002	240-Series Cable, Type N Male / Type N Male, 2.0ft (0.6m)	20.55	18.50	16.44	14.38	12.33
CA-NMNMT004	240-Series Cable, Type N Male / Type N Male, 4.0ft (1.2m)	22.45	20.20	17.96	15.71	13.47
CA-NMNMT010	240-Series Cable, Type N Male / Type N Male, 10.0ft (3.0m)	28.10	25.29	22.48	19.67	16.86
CA-NMNMT020	240-Series Cable, Type N Male / Type N Male, 20.0ft (6.1m)	37.50	33.75	30.00	26.25	22.50
CA-NMNFT002	240-Series Cable, Type N Male / Type N Female, 2.0ft (0.6m)	25.00	22.50	20.00	17.50	15.00
CA-NMNFT004	240-Series Cable, Type N Male / Type N Female, 4.0ft (1.2m)	27.00	24.30	21.60	18.90	16.20
CA-NMNFT010	240-Series Cable, Type N Male / Type N Female, 10.0ft (3.0m)	33.00	29.70	26.40	23.10	19.80
CA-NMNFT020	240-Series Cable, Type N Male / Type N Female, 20.0ft (6.1m)	43.00	38.70	34.40	30.10	25.80
CA-RTPNMT002	240-Series Cable, Reverse Polarity TNC Plug / Type N Male, 2.0ft (0.6m)	25.00	22.50	20.00	17.50	CALL
CA-RTPNMT004	240-Series Cable, Reverse Polarity TNC Plug / Type N Male, 4.0ft (1.2m)	27.00	24.30	21.60	18.90	16.20
CA-RTPNMT010	240-Series Cable, Reverse Polarity TNC Plug / Type N Male, 10.0ft (3.0m)	33.00	29.70	26.40	23.10	19.80
CA-RTPNMT020	240-Series Cable, Reverse Polarity TNC Plug / Type N Male, 20.0ft (6.1m)	43.00	38.70	34.40	30.10	25.80
CA-RTPNFT002	240-Series Cable, Reverse Polarity TNC Plug / Type N Female, 2.0ft (0.6m)	25.00	22.50	20.00	17.50	15.00
CA-RTPNFT004	240-Series Cable, Reverse Polarity TNC Plug / Type N Female, 4.0ft (1.2m)	27.00	24.30	21.60	18.90	16.20
CA-RTPNFT010	240-Series Cable, Reverse Polarity TNC Plug / Type N Female, 10.0ft (3.0m)	33.00	29.70	26.40	23.10	19.80
CA-RTPNFT020	240-Series Cable, Reverse Polarity TNC Plug / Type N Female, 20.0ft (6.1m)	43.00	38.70	34.40	30.10	25.80
CA-SMNMT002	240-Series Cable, SMA Male / Type N Male, 2.0ft (0.6m)	20.55	18.50	16.44	14.38	12.33
CA-SMNMT004	240-Series Cable, SMA Male / Type N Male, 4.0ft (1.2m)	22.45	20.20	17.96	15.71	13.47
CA-SMNMT010	240-Series Cable, SMA Male / Type N Male, 10.0ft (3.0m)	28.10	25.29	22.48	19.67	16.86
CA-SMNMT020	240-Series Cable, SMA Male / Type N Male, 20.0ft (6.1m)	37.50	33.75	30.00	26.25	22.50

400-Series 50 Ohm Coaxial Assemblies

400 Series



50 Ohm Impedance

400 Series Low-Loss Cable
- Center Conductor: Copper clad aluminum
- Shielding: Foil + tinned copper braid
- Insulation: Physical foam polyethylene
- Jacket: Polyethylene (Kynar for Plenum Rated)
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
900	3.9	12.8
1800	5.7	18.6
2500	6.8	22.2
5800	10.8	35.5

CA4RNPNM010	400-Series Cable, Reverse Polarity Type N Plug / Type N Male, 10.0ft (3.0m)	22.99	21.15	19.31	17.47	15.63
CA4RNPRNP075	400-Series Cable, Rev. Polarity Type N Plug / Rev. Polarity Type N Plug, 75.0ft (22.9m)	89.99	82.79	75.59	68.39	61.19
CA4NMRSF002	400-Series Cable, Reverse Polarity SMA Plug / Type N Male, 2.0ft (0.6m)	21.99	19.79	17.59	15.39	13.19
CA4NMRSF010	400-Series Cable, Reverse Polarity SMA Plug / Type N Male, 10.0ft (3.0m)	27.99	25.19	22.39	19.59	16.79
CA4NMRSF020	400-Series Cable, Reverse Polarity SMA Plug / Type N Male, 20.0ft (6.1m)	34.99	31.49	27.99	24.49	20.99
CA4NMRSF025	400-Series Cable, Reverse Polarity SMA Plug / Type N Male, 25.0ft (7.6m)	39.99	35.99	31.99	27.99	23.99
CA4NMRSF030	400-Series Cable, Reverse Polarity SMA Plug / Type N Male, 30.0ft (9.0m)	44.99	40.49	35.99	31.49	26.99
CA4NMRSF050	400-Series Cable, Reverse Polarity SMA Plug / Type N Male, 50.0ft (15.2m)	49.99	44.99	39.99	34.99	29.99
CA4NMRSF075	400-Series Cable, Reverse Polarity SMA Plug / Type N Male, 75.0ft (22.9m)	87.99	79.19	70.39	61.59	52.79
CA4NMRSF100	400-Series Cable, Reverse Polarity SMA Plug / Type N Male, 100.0ft (30.5m)	119.99	110.39	100.79	91.19	81.59
CA4RTMRTF002	400-Series Cable, Reverse Polarity TNC Jack / Rev. Polarity TNC Plug, 2.0ft (0.6m)	21.99	19.79	17.59	15.39	13.19
CA4RTMRTF010	400-Series Cable, Reverse Polarity TNC Jack / Rev. Polarity TNC Plug, 10.0ft (3.0m)	27.99	25.19	22.39	19.59	16.79
CA4RTMRTF020	400-Series Cable, Reverse Polarity TNC Jack / Rev. Polarity TNC Plug, 20.0ft (6.1m)	44.99	40.49	35.99	31.49	26.99
CA4RTMRTF025	400-Series Cable, Reverse Polarity TNC Jack / Rev. Polarity TNC Plug, 25.0ft (7.6m)	49.99	44.99	39.99	34.99	29.99
CA4RTMRTF050	400-Series Cable, Reverse Polarity TNC Jack / Rev. Polarity TNC Plug, 50.0ft (15.2m)	69.99	62.99	55.99	48.99	41.99
CA4RTPRTP002	400-Series Cable, Reverse Polarity TNC Plug / Rev. Polarity TNC Plug, 2.0ft (0.6m)	21.99	19.79	17.59	15.39	13.19
CA4RTPRTP010	400-Series Cable, Reverse Polarity TNC Plug / Rev. Polarity TNC Plug, 10.0ft (3.0m)	22.99	20.69	18.39	16.09	13.79
CA4RTPRTP050	400-Series Cable, Reverse Polarity TNC Plug / Rev. Polarity TNC Plug, 50.0ft (15.2m)	44.99	43.19	41.39	38.24	33.74
CA4NMRTF002	400-Series Cable, Reverse Polarity TNC Plug / Type N Male, 2.0ft (0.6m)	21.99	19.79	17.59	15.39	13.19
CA4NMRTF010	400-Series Cable, Reverse Polarity TNC Plug / Type N Male, 10.0ft (3.0m)	27.99	25.19	22.39	19.59	16.79
CA4NMRTF020	400-Series Cable, Reverse Polarity TNC Plug / Type N Male, 20.0ft (6.1m)	39.99	35.99	31.99	27.99	23.99

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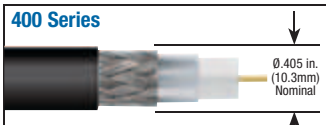
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Item #	Description	1-9	10-24	25-99	100-249	250-499
CA4NMRTF025	400-Series Cable, Type N Male / Reverse Polarity TNC Plug, 25.0ft (7.6m)	39.99	35.99	31.99	27.99	23.99
CA4NMRTF050	400-Series Cable, Type N Male / Reverse Polarity TNC Plug, 50.0ft (15.2m)	49.99	44.99	39.99	34.99	29.99
CA4NMRTF100	400-Series Cable, Type N Male / Reverse Polarity TNC Plug, 100.0ft (30.5m)	119.99	110.39	100.79	91.19	81.59
CA4NMRRSP002	400-Series Cable, Type N Male Right Angle / Rev. Polarity SMA Plug, 2.0ft (0.6m)	21.99	19.79	17.59	15.39	13.19
CA4NMRRTP002	400-Series Cable, Type N Male Right Angle / Rev. Polarity TNC Plug, 2.0ft (0.6m)	21.99	19.79	17.59	15.39	13.19
CA4N002	400-Series Cable, Type N Male / Type N Female, 2.0ft (0.6m)	20.99	18.89	16.79	14.69	12.59
CA4N010	400-Series Cable, Type N Male / Type N Female, 10.0ft (3.0m)	25.99	23.39	20.79	18.19	15.59
CA4N020	400-Series Cable, Type N Male / Type N Female, 20.0ft (6.1m)	30.99	27.89	24.79	21.69	18.59
CA4N025	400-Series Cable, Type N Male / Type N Female, 25.0ft (7.6m)	35.99	32.39	28.79	25.19	21.59
CA4N050	400-Series Cable, Type N Male / Type N Female, 50.0ft (15.2m)	61.99	55.79	49.59	43.39	37.19
CA4N100	400-Series Cable, Type N Male / Type N Female, 100.0ft (30.5m)	120.99	111.31	101.63	91.95	82.27
CA3N002	400-Series Cable, Type N Male / Type N Male, 2.0ft (0.6m)	19.99	17.99	15.99	13.99	11.99
CA3N010	400-Series Cable, Type N Male / Type N Male, 10.0ft (3.0m)	24.99	22.49	19.99	17.49	14.99
CA3N020	400-Series Cable, Type N Male / Type N Male, 20.0ft (6.1m)	29.99	26.99	23.99	20.99	17.99
CA3N025	400-Series Cable, Type N Male / Type N Male, 25.0ft (7.6m)	34.99	31.49	27.99	24.49	20.99
CA3N030	400-Series Cable, Type N Male / Type N Male, 30.0ft (9.0m)	40.45	36.41	32.36	28.32	24.27
CA3N040	400-Series Cable, Type N Male / Type N Male, 40.0ft (12.0m)	50.50	45.45	40.40	35.35	30.30
CA3N050	400-Series Cable, Type N Male / Type N Male, 50.0ft (15.2m)	60.99	54.89	48.79	42.69	36.59
CA3N075	400-Series Cable, Type N Male / Type N Male, 75.0ft (22.9m)	87.99	79.19	70.39	61.59	52.79
CA3N100	400-Series Cable, Type N Male / Type N Male, 100.0ft (30.5m)	119.99	107.99	95.99	83.99	71.99
CA-NMRNMF002	400-Series Cable, Type N Male Right Angle / Type N Male, 2.0ft (0.6m)	18.99	17.09	15.19	13.29	CALL
CA-NMRNMF010	400-Series Cable, Type N Male Right Angle / Type N Male, 10.0ft (3.0m)	22.99	20.69	18.39	16.09	CALL
CA-NMRNMF025	400-Series Cable, Type N Male Right Angle / Type N Male, 25.0ft (7.6m)	34.99	31.49	27.99	24.49	CALL
CA-NMRNMF050	400-Series Cable, Type N Male Right Angle / Type N Male, 50.0ft (15.2m)	44.99	40.49	35.99	31.49	CALL
CA4NMSM002	400-Series Cable, SMA Male / Type N Male, 2.0ft (0.6m)	24.99	22.49	19.99	17.49	14.99
CA4NMSM010	400-Series Cable, SMA Male / Type N Male, 10.0ft (3.0m)	29.99	26.99	23.99	20.99	17.99
CA4NMSM025	400-Series Cable, SMA Male / Type N Male, 25.0ft (7.6m)	49.99	44.99	39.99	34.99	29.99

400-Series Ultra Flex 50 Ohm Coaxial Assemblies

L-com's 400-Series Ultra Flex coax cable assemblies are ideal for indoor or outdoor applications that require maximum flexibility due to curves, bends and twists.

400 Series



50 Ohm Impedance

400 Series Ultra Flex Low-Loss Cable

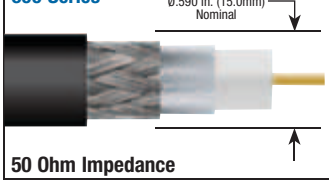
- Center Conductor: Stranded bare copper
- Shielding: Foil + tinned copper braid
- Insulation: Physical foam polyethylene
- Jacket: Black Thermoplastic Elastomer
- Operating Temperature: -40°C - +85°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
900	4.7	15.4
1800	6.8	22.3
2500	8.1	26.6
5800	13.0	42.6

CA-NMNMH005	400-Series Cable, Type N Male / Type N Male, 5.0ft (1.5m)	22.25	20.91	19.58	18.25	16.91
CA-NMNMH010	400-Series Cable, Type N Male / Type N Male, 10.0ft (3.0m)	30.95	29.09	27.24	25.38	23.52
CA-NMNMH015	400-Series Cable, Type N Male / Type N Male, 15.0ft (4.6m)	39.80	37.41	35.02	32.64	30.25
CA-NMNMH025	400-Series Cable, Type N Male / Type N Male, 25.0ft (7.6m)	58.80	55.27	51.74	48.22	44.69
CA-NMNMH050	400-Series Cable, Type N Male / Type N Male, 50.0ft (15.2m)	102.90	96.73	90.55	84.38	78.20
CA-NMNMH075	400-Series Cable, Type N Male / Type N Male, 75.0ft (22.9m)	149.60	140.62	131.65	122.67	113.70
CA-NMNMH100	400-Series Cable, Type N Male / Type N Male, 100.0ft (30.5m)	193.70	182.08	170.46	158.83	147.21
CA-NMNFH005	400-Series Cable, Type N Male / Type N Female, 5.0ft (1.5m)	21.90	20.59	19.27	17.96	16.64
CA-NMNFH010	400-Series Cable, Type N Male / Type N Female, 10.0ft (3.0m)	30.60	28.76	26.93	25.09	23.26
CA-NMNFH015	400-Series Cable, Type N Male / Type N Female, 15.0ft (4.6m)	39.45	37.08	34.72	32.35	29.98
CA-NMNFH025	400-Series Cable, Type N Male / Type N Female, 25.0ft (7.6m)	58.50	54.99	51.48	47.97	44.46
CA-NMNFH050	400-Series Cable, Type N Male / Type N Female, 50.0ft (15.2m)	102.65	96.49	90.33	84.17	78.01
CA-NMNFH075	400-Series Cable, Type N Male / Type N Female, 75.0ft (22.9m)	149.25	140.29	131.34	122.39	113.43
CA-NMNFH100	400-Series Cable, Type N Male / Type N Female, 100.0ft (30.5m)	193.40	181.80	170.19	158.59	146.98
CA-NMRTPH005	400-Series Cable, Type N Male / Reverse Polarity TNC Plug, 5.0ft (1.5m)	21.50	20.21	18.92	17.63	16.34
CA-NMRTPH010	400-Series Cable, Type N Male / Reverse Polarity TNC Plug, 10.0ft (3.0m)	30.20	28.39	26.58	24.76	22.95
CA-NMRTPH015	400-Series Cable, Type N Male / Reverse Polarity TNC Plug, 15.0ft (4.6m)	39.00	36.66	34.32	31.98	29.64
CA-NMRTPH025	400-Series Cable, Type N Male / Reverse Polarity TNC Plug, 25.0ft (7.6m)	58.05	54.57	51.08	47.60	44.12
CA-NMRTPH050	400-Series Cable, Type N Male / Reverse Polarity TNC Plug, 50.0ft (15.2m)	102.20	96.07	89.94	83.80	77.67
CA-NMRTPH075	400-Series Cable, Type N Male / Reverse Polarity TNC Plug, 75.0ft (22.9m)	148.80	139.87	130.94	122.02	113.09
CA-NMRTPH100	400-Series Cable, Type N Male / Reverse Polarity TNC Plug, 100.0ft (30.5m)	192.95	181.37	169.80	158.22	146.64
CA-NMRSPH005	400-Series Cable, Type N Male / Reverse Polarity SMA Plug, 5.0ft (1.5m)	21.30	20.02	18.74	17.47	16.19
CA-NMRSPH010	400-Series Cable, Type N Male / Reverse Polarity SMA Plug, 10.0ft (3.0m)	30.00	28.20	26.40	24.60	22.80
CA-NMRSPH015	400-Series Cable, Type N Male / Reverse Polarity SMA Plug, 15.0ft (4.6m)	38.80	36.47	34.14	31.82	29.49
CA-NMRSPH025	400-Series Cable, Type N Male / Reverse Polarity SMA Plug, 25.0ft (7.6m)	57.80	54.33	50.86	47.40	43.93
CA-NMRSPH050	400-Series Cable, Type N Male / Reverse Polarity SMA Plug, 50.0ft (15.2m)	102.00	95.88	89.76	83.64	77.52
CA-NMRSPH075	400-Series Cable, Type N Male / Reverse Polarity SMA Plug, 75.0ft (22.9m)	148.60	139.68	130.77	121.85	112.94
CA-NMRSPH100	400-Series Cable, Type N Male / Reverse Polarity SMA Plug, 100.0ft (30.5m)	192.75	181.19	169.62	158.06	146.49

600-Series 50 Ohm Coaxial Assemblies

600 Series



50 Ohm Impedance

600 Series Low-Loss Cable

- Center Conductor: Solid copper
- Shielding: Foil + tinned copper braid
- Insulation: Physical foam polyethylene
- Jacket: Polyethylene
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
900	2.5	8.2
1800	3.7	12.1
2500	4.4	14.5
5800	7.3	23.8

CA-6NMNM010	600-Series Cable, Type N Male / Type N Male, 10.0ft (3.0m)	52.00	46.80	41.60	36.40	31.20
CA-6NMNM025	600-Series Cable, Type N Male / Type N Male, 25.0ft (7.6m)	70.00	63.00	56.00	49.00	42.00
CA-6NMNM050	600-Series Cable, Type N Male / Type N Male, 50.0ft (15.2m)	100.00	92.00	84.00	76.00	68.00
CA-6NMNM075	600-Series Cable, Type N Male / Type N Male, 75.0ft (22.9m)	130.00	119.60	109.20	98.80	88.40
CA-6NMNM100	600-Series Cable, Type N Male / Type N Male, 100.0ft (30.5m)	160.00	147.20	134.40	121.60	108.80
CA-6NMNM125	600-Series Cable, Type N Male / Type N Male, 125.0ft (38.1m)	242.50	218.25	194.00	169.75	145.50
CA-6NMNM150	600-Series Cable, Type N Male / Type N Male, 150.0ft (45.7m)	220.00	202.40	184.80	167.20	149.60

LOW-LOSS CABLES



CA4NMRTF025



CA-NMRNMF002



CA-NMNMH005



CA-NMRSPH015



CA-6NMNM010

Informative e-mail newsletters
Our newsletters are packed with tips, tutorials, product info and downloads! L-com.com/Newsletter

LOW-LOSS CABLES



CA-6RTPNM010



CA-9NMNF025



CA-085SCNMNM006

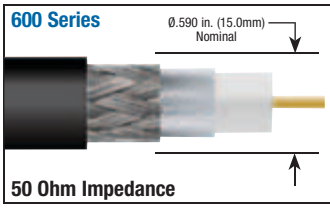


CA-085SCNMNF006

Item #	Description	1-9	10-24	25-99	100-249	250-499

600-Series 50 Ohm Coaxial Assemblies

600 Series



50 Ohm Impedance

600 Series Low-Loss Cable

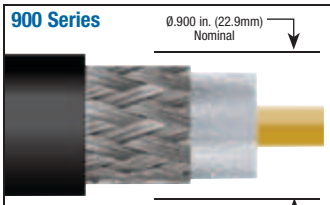
- Center Conductor: Solid copper
- Shielding: Foil + tinned copper braid
- Insulation: Physical foam polyethylene
- Jacket: Polyethylene
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
900	2.5	8.2
1800	3.7	12.1
2500	4.4	14.5
5800	7.3	23.8

CA-6NMNM200	600-Series Cable, Type N Male / Type N Male, 200.0ft (60.1m)	280.00	257.60	235.20	212.80	190.40
CA-6NMNM250	600-Series Cable, Type N Male / Type N Male, 250.0ft (75.3m)	340.00	312.80	285.60	258.40	231.20
CA-6NMNF025	600-Series Cable, Type N Male / Type N Female, 25.0ft (7.6m)	70.00	64.40	58.80	53.20	47.60
CA-6NMNF050	600-Series Cable, Type N Male / Type N Female, 50.0ft (15.2m)	100.00	92.00	84.00	76.00	68.00
CA-6NMNF075	600-Series Cable, Type N Male / Type N Female, 75.0ft (22.9m)	130.00	119.60	109.20	98.80	88.40
CA-6NMNF100	600-Series Cable, Type N Male / Type N Female, 100.0ft (30.5m)	160.00	147.20	134.40	121.60	108.80
CA-6NMNF150	600-Series Cable, Type N Male / Type N Female, 150.0ft (45.7m)	265.00	243.80	222.60	201.40	180.20
CA-6NMNF200	600-Series Cable, Type N Male / Type N Female, 200.0ft (60.1m)	280.00	257.60	235.20	212.80	190.40
CA-6RTPNM010	600-Series Cable, Reverse Polarity TNC Plug / Type N Male, 10.0ft (3.0m)	62.00	57.04	52.08	47.12	42.16
CA-6RTPNM025	600-Series Cable, Reverse Polarity TNC Plug / Type N Male, 25.0ft (7.6m)	70.00	64.40	58.80	53.20	47.60
CA-6RTPNM050	600-Series Cable, Reverse Polarity TNC Plug / Type N Male, 50.0ft (15.2m)	100.00	92.00	84.00	76.00	68.00
CA-6RTPNM075	600-Series Cable, Reverse Polarity TNC Plug / Type N Male, 75.0ft (22.9m)	130.00	119.60	109.20	98.80	88.40
CA-6RTPNM100	600-Series Cable, Reverse Polarity TNC Plug / Type N Male, 100.0ft (30.5m)	205.00	188.60	172.20	155.80	139.40

900-Series 50 Coaxial Assemblies

900 Series



50 Ohm Impedance

900 Series Low-Loss Cable

- Center Conductor: BC Tube
- Shielding: Aluminum tape + tinned copper braid
- Insulation: Foam polyethylene
- Jacket: Polyethylene
- Operating Temperature: -40°C - +85°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
900	1.7	5.6
1800	2.5	8.2
2500	2.9	9.8
5800	4.9	16.0

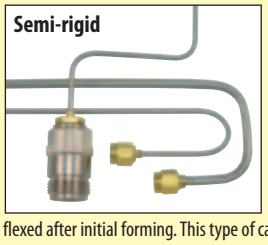
CA-9NMNF025	900-Series Cable, Type N Male / Type N Female, 25.0ft (7.6m)	556.00	500.40	444.80	389.20	CALL
CA-9NMNF050	900-Series Cable, Type N Male / Type N Female, 50.0ft (15.2m)	798.00	718.20	638.40	558.60	CALL
CA-9NMNF075	900-Series Cable, Type N Male / Type N Female, 75.0ft (22.9m)	1220.00	1098.00	976.00	854.00	CALL
CA-9NMNF100	900-Series Cable, Type N Male / Type N Female, 100.0ft (30.5m)	1550.00	1395.00	1240.00	1085.00	CALL
CA-9NMNM025	900-Series Cable, Type N Male / Type N Male, 25.0ft (7.6m)	556.00	500.40	444.80	389.20	CALL
CA-9NMNM050	900-Series Cable, Type N Male / Type N Male, 50.0ft (15.2m)	798.00	718.20	638.40	558.60	CALL
CA-9NMNM075	900-Series Cable, Type N Male / Type N Male, 75.0ft (22.9m)	1220.00	1098.00	976.00	854.00	CALL
CA-9NMNM100	900-Series Cable, Type N Male / Type N Male, 100.0ft (30.5m)	1550.00	1395.00	1240.00	1085.00	CALL

Semi-Rigid and Formable 50 Ohm Coaxial Assemblies

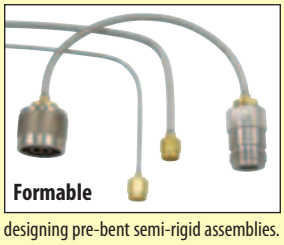
L-com offers quality crafted Semi-Rigid and Formable coax cable assemblies for use in a wide array of applications. These cable assemblies are designed, manufactured and tested using state of the art equipment to ensure the highest quality to our customers.

Have custom cable requirements? We can custom build your Semi-Rigid and Formable cable assemblies using the very best in forming and stripping equipment. In addition to our standard cable types, we can build cable assemblies using Semi-Rigid Low-Loss Aluminum or Copper cable from sizes of .047 (1.2mm) to .250 (6.4mm) with a wide array of available connector types. Contact us today with your custom cable requirements.

Tip ***What is the difference between Semi-Rigid and Formable cable?***



Semi-rigid cable is a coaxial form using a solid copper outer sheath. This type of coax offers superior screening compared to cables with a braided outer conductor, especially at higher frequencies. The major disadvantage is that the cable, as its name implies, is not very flexible, and is not intended to be flexed after initial forming. This type of cable is also called "hard line" cable.



Formable cable is a flexible reformable alternative to semi-rigid coaxial cable used where flexibility is required. Formable cable can be stripped and formed by hand without the need for special tools, similar to standard coaxial cable. Also this cable type is ideal for laying out and designing pre-bent semi-rigid assemblies.

.085 (2.2mm) Semi-Rigid Tin Plated Copper 50 Ohm Coaxial Assemblies

CA-085SCNMNM006	.085 (2.2mm) Semi-Rigid Cable, Type N Male / Type N Male, 6" (152.4mm)	45.20	42.49	39.78	37.06	34.35
CA-085SCNMNM012	.085 (2.2mm) Semi-Rigid Cable, Type N Male / Type N Male, 12" (304.8mm)	48.35	45.45	42.55	39.65	36.75
CA-085SCNMNM018	.085 (2.2mm) Semi-Rigid Cable, Type N Male / Type N Male, 18" (457.2mm)	51.50	48.41	45.32	42.23	39.14
CA-085SCNMNM024	.085 (2.2mm) Semi-Rigid Cable, Type N Male / Type N Male, 24" (609.6mm)	54.65	51.37	48.09	44.81	41.53
CA-085SCNMNM036	.085 (2.2mm) Semi-Rigid Cable, Type N Male / Type N Male, 36" (914.4mm)	60.90	57.25	53.59	49.94	46.28
CA-085SCNMNF006	.085 (2.2mm) Semi-Rigid Cable, Type N Male / Type N Female, 6" (152.4mm)	43.70	41.08	38.46	35.83	33.21
CA-085SCNMNF012	.085 (2.2mm) Semi-Rigid Cable, Type N Male / Type N Female, 12" (304.8mm)	46.85	44.04	41.23	38.42	35.61
CA-085SCNMNF018	.085 (2.2mm) Semi-Rigid Cable, Type N Male / Type N Female, 18" (457.2mm)	50.00	47.00	44.00	41.00	38.00
CA-085SCNMNF024	.085 (2.2mm) Semi-Rigid Cable, Type N Male / Type N Female, 24" (609.6mm)	53.10	49.91	46.73	43.54	40.36
CA-085SCNMNF036	.085 (2.2mm) Semi-Rigid Cable, Type N Male / Type N Female, 36" (914.4mm)	59.40	55.84	52.27	48.71	45.14

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.085 (2.2mm) Semi-Rigid Tin Plated Copper 50 Ohm Coaxial Assemblies

Item #	Description	1-9	10-24	25-99	100-249	250-499
CA-085SCNMSM006	.085 (2.2mm) Semi-Rigid Cable, Type N Male / SMA Male, 6" (152.4mm)	46.05	43.29	40.52	37.76	35.00
CA-085SCNMSM012	.085 (2.2mm) Semi-Rigid Cable, Type N Male / SMA Male, 12" (304.8mm)	49.20	46.25	43.30	40.34	37.39
CA-085SCNMSM018	.085 (2.2mm) Semi-Rigid Cable, Type N Male / SMA Male, 18" (457.2mm)	52.35	49.21	46.07	42.93	39.79
CA-085SCNMSM024	.085 (2.2mm) Semi-Rigid Cable, Type N Male / SMA Male, 24" (609.6mm)	55.50	52.17	48.84	45.51	42.18
CA-085SCNMSM036	.085 (2.2mm) Semi-Rigid Cable, Type N Male / SMA Male, 36" (914.4mm)	61.75	58.04	54.34	50.64	46.93
CA-085SCSMSM006	.085 (2.2mm) Semi-Rigid Cable, SMA Male / SMA Male, 6" (152.4mm)	45.45	42.72	40.00	37.27	34.54
CA-085SCSMSM012	.085 (2.2mm) Semi-Rigid Cable, SMA Male / SMA Male, 12" (304.8mm)	48.60	45.68	42.77	39.85	36.94
CA-085SCSMSM018	.085 (2.2mm) Semi-Rigid Cable, SMA Male / SMA Male, 18" (457.2mm)	51.75	48.64	45.54	42.44	39.33
CA-085SCSMSM024	.085 (2.2mm) Semi-Rigid Cable, SMA Male / SMA Male, 24" (609.6mm)	54.90	51.61	48.31	45.02	41.72
CA-085SCSMSM036	.085 (2.2mm) Semi-Rigid Cable, SMA Male / SMA Male, 36" (914.4mm)	61.15	57.48	53.81	50.14	46.47

.085 (2.2mm) Formable 50 Ohm Coaxial Assemblies

CA-085FNMNM006	.085 (2.2mm) Formable Cable, Type N Male / Type N Male, 6" (152.4mm)	45.30	42.58	39.86	37.15	34.43
CA-085FNMNM012	.085 (2.2mm) Formable Cable, Type N Male / Type N Male, 12" (304.8mm)	48.45	45.54	42.64	39.73	36.82
CA-085FNMNM018	.085 (2.2mm) Formable Cable, Type N Male / Type N Male, 18" (457.2mm)	51.65	48.55	45.45	42.35	39.25
CA-085FNMNM024	.085 (2.2mm) Formable Cable, Type N Male / Type N Male, 24" (609.6mm)	54.85	51.56	48.27	44.98	41.69
CA-085FNMNM036	.085 (2.2mm) Formable Cable, Type N Male / Type N Male, 36" (914.4mm)	61.25	57.57	53.90	50.23	46.55
CA-085FNMNF006	.085 (2.2mm) Formable Cable, Type N Male / Type N Female, 6" (152.4mm)	43.75	41.13	38.50	35.88	33.25
CA-085FNMNF012	.085 (2.2mm) Formable Cable, Type N Male / Type N Female, 12" (304.8mm)	47.00	44.18	41.36	38.54	35.72
CA-085FNMNF018	.085 (2.2mm) Formable Cable, Type N Male / Type N Female, 18" (457.2mm)	50.15	47.14	44.13	41.12	38.11
CA-085FNMNF024	.085 (2.2mm) Formable Cable, Type N Male / Type N Female, 24" (609.6mm)	53.30	50.10	46.90	43.71	40.51
CA-085FNMNF036	.085 (2.2mm) Formable Cable, Type N Male / Type N Female, 36" (914.4mm)	59.70	56.12	52.54	48.95	45.37
CA-085FNMSM006	.085 (2.2mm) Formable Cable, Type N Male / SMA Male, 6" (152.4mm)	46.10	43.33	40.57	37.80	35.04
CA-085FNMSM012	.085 (2.2mm) Formable Cable, Type N Male / SMA Male, 12" (304.8mm)	49.30	46.34	43.38	40.43	37.47
CA-085FNMSM018	.085 (2.2mm) Formable Cable, Type N Male / SMA Male, 18" (457.2mm)	52.50	49.35	46.20	43.05	39.90
CA-085FNMSM024	.085 (2.2mm) Formable Cable, Type N Male / SMA Male, 24" (609.6mm)	55.70	52.36	49.02	45.67	42.33
CA-085FNMSM036	.085 (2.2mm) Formable Cable, Type N Male / SMA Male, 36" (914.4mm)	62.10	58.37	54.65	50.92	47.20
CA-085FSMSM006	.085 (2.2mm) Formable Cable, SMA Male / SMA Male, 6" (152.4mm)	45.50	42.77	40.04	37.31	34.58
CA-085FSMSM012	.085 (2.2mm) Formable Cable, SMA Male / SMA Male, 12" (304.8mm)	48.70	45.78	42.86	39.93	37.01
CA-085FSMSM018	.085 (2.2mm) Formable Cable, SMA Male / SMA Male, 18" (457.2mm)	51.90	48.79	45.67	42.56	39.44
CA-085FSMSM024	.085 (2.2mm) Formable Cable, SMA Male / SMA Male, 24" (609.6mm)	55.10	51.79	48.49	45.18	41.88
CA-085FSMSM036	.085 (2.2mm) Formable Cable, SMA Male / SMA Male, 36" (914.4mm)	61.50	57.81	54.12	50.43	46.74

.141 (3.6mm) Semi-Rigid Tin Plated Copper 50 Ohm Coaxial Assemblies

CA-141SCNMNM006	.141 (3.6mm) Semi-Rigid Cable, Type N Male / Type N Male, 6" (152.4mm)	49.70	46.72	43.74	40.75	37.77
CA-141SCNMNM012	.141 (3.6mm) Semi-Rigid Cable, Type N Male / Type N Male, 12" (304.8mm)	53.80	50.57	47.34	44.12	40.89
CA-141SCNMNM018	.141 (3.6mm) Semi-Rigid Cable, Type N Male / Type N Male, 18" (457.2mm)	57.85	54.38	50.91	47.44	43.97
CA-141SCNMNM024	.141 (3.6mm) Semi-Rigid Cable, Type N Male / Type N Male, 24" (609.6mm)	60.50	56.87	53.24	49.61	45.98
CA-141SCNMNM036	.141 (3.6mm) Semi-Rigid Cable, Type N Male / Type N Male, 36" (914.4mm)	70.10	65.89	61.69	57.48	53.28
CA-141SCNMNF006	.141 (3.6mm) Semi-Rigid Cable, Type N Male / Type N Female, 6" (152.4mm)	47.15	44.32	41.49	38.66	35.83
CA-141SCNMNF012	.141 (3.6mm) Semi-Rigid Cable, Type N Male / Type N Female, 12" (304.8mm)	51.20	48.13	45.06	41.98	38.91
CA-141SCNMNF018	.141 (3.6mm) Semi-Rigid Cable, Type N Male / Type N Female, 18" (457.2mm)	55.30	51.98	48.66	45.35	42.03
CA-141SCNMNF024	.141 (3.6mm) Semi-Rigid Cable, Type N Male / Type N Female, 24" (609.6mm)	59.35	55.79	52.23	48.67	45.11
CA-141SCNMNF036	.141 (3.6mm) Semi-Rigid Cable, Type N Male / Type N Female, 36" (914.4mm)	67.50	63.45	59.40	55.35	51.30
CA-141SCNMSM006	.141 (3.6mm) Semi-Rigid Cable, Type N Male / SMA Male, 6" (152.4mm)	36.00	33.84	31.68	29.52	27.36
CA-141SCNMSM012	.141 (3.6mm) Semi-Rigid Cable, Type N Male / SMA Male, 12" (304.8mm)	40.05	37.65	35.24	32.84	30.44
CA-141SCNMSM018	.141 (3.6mm) Semi-Rigid Cable, Type N Male / SMA Male, 18" (457.2mm)	44.10	41.45	38.81	36.16	33.52
CA-141SCNMSM024	.141 (3.6mm) Semi-Rigid Cable, Type N Male / SMA Male, 24" (609.6mm)	48.20	45.31	42.42	39.52	36.63
CA-141SCNMSM036	.141 (3.6mm) Semi-Rigid Cable, Type N Male / SMA Male, 36" (914.4mm)	56.35	52.97	49.59	46.21	42.83
CA-141SCSMSM006	.141 (3.6mm) Semi-Rigid Cable, SMA Male / SMA Male, 6" (152.4mm)	30.30	28.48	26.66	24.85	23.03
CA-141SCSMSM012	.141 (3.6mm) Semi-Rigid Cable, SMA Male / SMA Male, 12" (304.8mm)	34.40	32.34	30.27	28.21	26.14
CA-141SCSMSM018	.141 (3.6mm) Semi-Rigid Cable, SMA Male / SMA Male, 18" (457.2mm)	38.45	36.14	33.84	31.53	29.22
CA-141SCSMSM024	.141 (3.6mm) Semi-Rigid Cable, SMA Male / SMA Male, 24" (609.6mm)	42.55	40.00	37.44	34.89	32.34
CA-141SCSMSM036	.141 (3.6mm) Semi-Rigid Cable, SMA Male / SMA Male, 36" (914.4mm)	50.70	47.66	44.62	41.57	38.53

.141 (3.6mm) Formable 50 Ohm Coaxial Assemblies

CA-141FNMNM006	.141 (3.6mm) Formable Cable, Type N Male / Type N Male, 6" (152.4mm)	49.45	46.48	43.52	40.55	37.58
CA-141FNMNM012	.141 (3.6mm) Formable Cable, Type N Male / Type N Male, 12" (304.8mm)	53.30	50.10	46.90	43.71	40.51
CA-141FNMNM018	.141 (3.6mm) Formable Cable, Type N Male / Type N Male, 18" (457.2mm)	57.10	53.67	50.25	46.82	43.40
CA-141FNMNM024	.141 (3.6mm) Formable Cable, Type N Male / Type N Male, 24" (609.6mm)	60.90	57.25	53.59	49.94	46.28
CA-141FNMNM036	.141 (3.6mm) Formable Cable, Type N Male / Type N Male, 36" (914.4mm)	68.60	64.48	60.37	56.25	52.14
CA-141FNMNF006	.141 (3.6mm) Formable Cable, Type N Male / Type N Female, 6" (152.4mm)	46.90	44.09	41.27	38.46	35.64
CA-141FNMNF012	.141 (3.6mm) Formable Cable, Type N Male / Type N Female, 12" (304.8mm)	50.70	47.66	44.62	41.57	38.53
CA-141FNMNF018	.141 (3.6mm) Formable Cable, Type N Male / Type N Female, 18" (457.2mm)	54.55	51.28	48.00	44.73	41.46
CA-141FNMNF024	.141 (3.6mm) Formable Cable, Type N Male / Type N Female, 24" (609.6mm)	58.35	54.85	51.35	47.85	44.35
CA-141FNMNF036	.141 (3.6mm) Formable Cable, Type N Male / Type N Female, 36" (914.4mm)	66.00	62.04	58.08	54.12	50.16
CA-141FNMSM006	.141 (3.6mm) Formable Cable, Type N Male / SMA Male, 6" (152.4mm)	40.50	38.07	35.64	33.21	30.78
CA-141FNMSM012	.141 (3.6mm) Formable Cable, Type N Male / SMA Male, 12" (304.8mm)	44.30	41.64	38.98	36.33	33.67
CA-141FNMSM018	.141 (3.6mm) Formable Cable, Type N Male / SMA Male, 18" (457.2mm)	48.10	45.21	42.33	39.44	36.56
CA-141FNMSM024	.141 (3.6mm) Formable Cable, Type N Male / SMA Male, 24" (609.6mm)	51.95	48.83	45.72	42.60	39.48
CA-141FNMSM036	.141 (3.6mm) Formable Cable, Type N Male / SMA Male, 36" (914.4mm)	59.60	56.02	52.45	48.87	45.30
CA-141FSMSM006	.141 (3.6mm) Formable Cable, SMA Male / SMA Male, 6" (152.4mm)	30.05	28.25	26.44	24.64	22.84
CA-141FSMSM012	.141 (3.6mm) Formable Cable, SMA Male / SMA Male, 12" (304.8mm)	33.90	31.87	29.83	27.80	25.76
CA-141FSMSM018	.141 (3.6mm) Formable Cable, SMA Male / SMA Male, 18" (457.2mm)	37.70	35.44	33.18	30.91	28.65
CA-141FSMSM024	.141 (3.6mm) Formable Cable, SMA Male / SMA Male, 24" (609.6mm)	63.90	60.07	56.23	52.40	48.56
CA-141FSMSM036	.141 (3.6mm) Formable Cable, SMA Male / SMA Male, 36" (914.4mm)	72.85	68.48	64.11	59.74	55.37

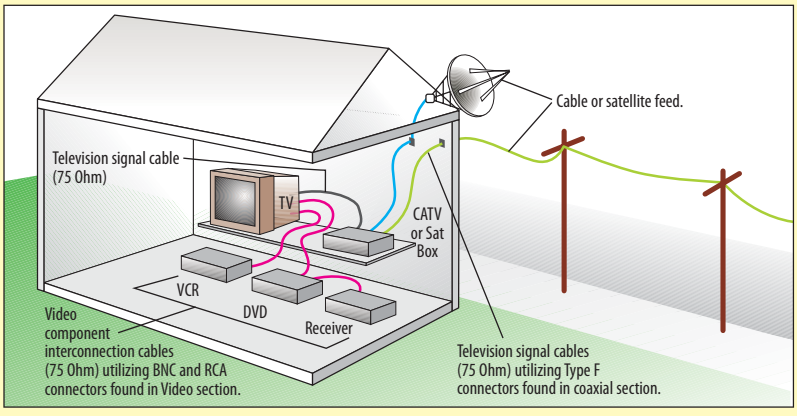


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L-com® Global Connectivity

When is a 75 Ohm coaxial cable used?

The primary use of a 75 Ohm cable is to transmit a video signal. One of the typical applications is television signals over cable, sometimes called signal feed cables. The most common connector used in this application is a Type F. Another application is video signals between components such as DVD players, VCRs or Receivers commonly known as audio/video (A/V) cables. In this case BNC and RCA connectors are most often found. In both of these applications RG59 with both solid center conductor (RG59B/U) and stranded center conductor (RG59A/U) as well as RG6 are often found. The cable assemblies offered in the following section cover the most common connection situations found in both applications.



Best Seller

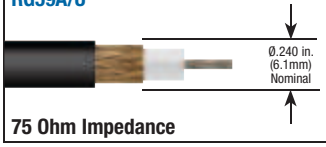


Item #	Description	1-9	10-24	25-99	100-249	250-499

RG59A/U - 75 Ohm Coaxial Cables with Inline Molded BNC, Type F and RCA Plugs

L-com offers a wide variety of RG59A/U cable assemblies utilizing BNC, Type F and RCA connectors. RG59A/U cable is one of the most commonly used 75 Ohm cables. In addition to inline configurations L-com offers right angle and female bulkheads. All connectors feature a molded strain relief while the Type F connector features a captivated gold plated center pin for enhanced performance. The stranded center conductor of the RG59A/U cable provides maximum flexibility.

RG59A/U



75 Ohm Impedance

RG59A/U

- Center Conductor: 22 (7 x 30) AWG bare compacted copper
- Shielding: Bare copper braid (96% coverage)
- Insulation: Foam polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	2.1	6.9
100	3.0	9.8
200	4.5	14.8
400	6.6	21.7
1000	10.9	35.8

RG59A/U - 75 Ohm Coaxial Cables with Two Inline BNC Plugs

CC59A-05	RG59A Cable, BNC Male / Male, 0.5ft (0.15m)	8.75	8.40	8.05	7.70	7.35
CC59A-1	RG59A Cable, BNC Male / Male, 1.0ft (0.3m)	9.00	8.64	8.28	7.92	7.56
CC59A-1.5	RG59A Cable, BNC Male / Male, 1.5ft (0.45m)	9.25	8.88	8.51	8.14	7.77
CC59A-2	RG59A Cable, BNC Male / Male, 2.0ft (0.6m)	9.50	9.12	8.74	8.36	7.98
CC59A-2.5	RG59A Cable, BNC Male / Male, 2.5ft (0.75m)	9.75	9.36	8.97	8.58	8.19
CC59A-3	RG59A Cable, BNC Male / Male, 3.0ft (0.9m)	10.00	9.60	9.20	8.80	8.40
CC59A-4	RG59A Cable, BNC Male / Male, 4.0ft (1.2m)	10.50	10.08	9.66	9.24	8.82
CC59A-5	RG59A Cable, BNC Male / Male, 5.0ft (1.5m)	11.00	10.56	10.12	9.68	9.24
CC59A-6	RG59A Cable, BNC Male / Male, 6.0ft (1.8m)	11.50	11.04	10.58	10.12	9.66
CC59A-7.5	RG59A Cable, BNC Male / Male, 7.5ft (2.3m)	12.25	11.76	11.27	10.78	10.29
CC59A-10	RG59A Cable, BNC Male / Male, 10.0ft (3.0m)	13.50	12.96	12.42	11.88	11.34
CC59A-12	RG59A Cable, BNC Male / Male, 12.0ft (3.7m)	14.50	13.92	13.34	12.76	12.18
CC59A-15	RG59A Cable, BNC Male / Male, 15.0ft (4.6m)	16.00	15.36	14.72	14.08	13.44
CC59A-25	RG59A Cable, BNC Male / Male, 25.0ft (7.6m)	21.00	20.16	19.32	18.48	17.64
CC59A-50	RG59A Cable, BNC Male / Male, 50.0ft (15.2m)	33.50	32.16	30.82	29.48	28.14
CC59A-75	RG59A Cable, BNC Male / Male, 75.0ft (22.9m)	46.00	44.16	42.32	40.48	38.64
CC59A-100	RG59A Cable, BNC Male / Male, 100.0ft (30.5m)	58.50	56.16	53.82	51.48	49.14
CC59A-150	RG59A Cable, BNC Male / Male, 150.0ft (45.7m)	83.50	80.16	76.82	73.48	70.14
CC59A-200	RG59A Cable, BNC Male / Male, 200.0ft (60.1m)	108.50	104.16	99.82	95.48	91.14

RG59A/U - 75 Ohm Coaxial Cables with Inline BNC Plug to BNC Jack

CC59A-MF-1	RG59A Cable, BNC Male / Female Bulkhead, 1.0ft (0.3m)	14.50	13.63	12.76	11.89	11.02
CC59A-MF-3	RG59A Cable, BNC Male / Female Bulkhead, 3.0ft (0.9m)	15.50	14.57	13.64	12.71	11.78
CC59A-MF-6	RG59A Cable, BNC Male / Female Bulkhead, 6.0ft (1.8m)	17.00	15.98	14.96	13.94	12.92
CC59A-MF-10	RG59A Cable, BNC Male / Female Bulkhead, 10.0ft (3.0m)	19.00	17.86	16.72	15.58	14.44
CC59A-MF-15	RG59A Cable, BNC Male / Female Bulkhead, 15.0ft (4.6m)	21.50	20.21	18.92	17.63	16.34
CC59A-MF-25	RG59A Cable, BNC Male / Female Bulkhead, 25.0ft (7.6m)	26.50	24.91	23.32	21.73	20.14
CC59A-MF-50	RG59A Cable, BNC Male / Female Bulkhead, 50.0ft (15.2m)	39.00	36.66	34.32	31.98	29.64

RG59A/U - 75 Ohm Coaxial Cables with Inline BNC to Right Angle BNC Plugs

CC59A-1HR	RG59A Cable, BNC Male / 90° Male, 1.0ft (0.3m)	11.25	10.80	10.35	9.90	9.45
CC59A-1.5HR	RG59A Cable, BNC Male / 90° Male, 1.5ft (0.45m)	11.50	11.04	10.58	10.12	9.66
CC59A-2HR	RG59A Cable, BNC Male / 90° Male, 2.0ft (0.6m)	11.75	11.28	10.81	10.34	9.87
CC59A-2.5HR	RG59A Cable, BNC Male / 90° Male, 2.5ft (0.75m)	12.00	11.52	11.04	10.56	10.08
CC59A-3HR	RG59A Cable, BNC Male / 90° Male, 3.0ft (0.9m)	12.25	11.76	11.27	10.78	10.29
CC59A-4HR	RG59A Cable, BNC Male / 90° Male, 4.0ft (1.2m)	12.75	12.24	11.73	11.22	10.71
CC59A-5HR	RG59A Cable, BNC Male / 90° Male, 5.0ft (1.5m)	13.25	12.72	12.19	11.66	11.13
CC59A-7.5HR	RG59A Cable, BNC Male / 90° Male, 7.5ft (2.3m)	14.50	13.92	13.34	12.76	12.18
CC59A-10HR	RG59A Cable, BNC Male / 90° Male, 10.0ft (3.0m)	15.75	15.12	14.49	13.86	13.23

RG59A/U - 75 Ohm Coaxial Cables with Two Right Angle BNC Plugs

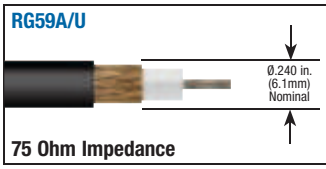
CC59A-1HR2	RG59A Cable, BNC 90° Male / 90° Male, 1.0ft (0.3m)	15.00	14.40	13.80	13.20	12.60
CC59A-1.5HR2	RG59A Cable, BNC 90° Male / 90° Male, 1.5ft (0.45m)	15.25	14.64	14.03	13.42	12.81
CC59A-2HR2	RG59A Cable, BNC 90° Male / 90° Male, 2.0ft (0.6m)	15.50	14.88	14.26	13.64	13.02
CC59A-3HR2	RG59A Cable, BNC 90° Male / 90° Male, 3.0ft (0.9m)	16.00	15.36	14.72	14.08	13.44
CC59A-4HR2	RG59A Cable, BNC 90° Male / 90° Male, 4.0ft (1.2m)	16.50	15.84	15.18	14.52	13.86
CC59A-5HR2	RG59A Cable, BNC 90° Male / 90° Male, 5.0ft (1.5m)	17.00	16.32	15.64	14.96	14.28
CC59A-7.5HR2	RG59A Cable, BNC 90° Male / 90° Male, 7.5ft (2.3m)	18.25	17.52	16.79	16.06	15.33
CC59A-10HR2	RG59A Cable, BNC 90° Male / 90° Male, 10.0ft (3.0m)	19.50	18.72	17.94	17.16	16.38

L-com Global Connectivity

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L-com.com/Testimonials

Item #	Description	1-9	10-24	25-99	100-249	250-499

RG59A/U



75 Ohm Impedance

RG59A/U
- Center Conductor: 22 (7 x 30) AWG bare compacted copper
- Shielding: Bare copper braid (96% coverage)
- Insulation: Foam polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	2.1	6.9
100	3.0	9.8
200	4.5	14.8
400	6.6	21.7
1000	10.9	35.8

RG59A/U - 75 Ohm Coaxial Cables with Inline BNC to Type F Plug

CC59A-BF-1	RG59A Cable, BNC Male / Type F Male, 1.0ft (0.3m)	6.00	5.76	5.52	5.28	5.04
CC59A-BF-3	RG59A Cable, BNC Male / Type F Male, 3.0ft (0.9m)	7.00	6.72	6.44	6.16	5.88
CC59A-BF-6	RG59A Cable, BNC Male / Type F Male, 6.0ft (1.8m)	8.50	8.16	7.82	7.48	7.14
CC59A-BF-9	RG59A Cable, BNC Male / Type F Male, 9.0ft (2.7m)	10.00	9.60	9.20	8.80	8.40
CC59A-BF-12	RG59A Cable, BNC Male / Type F Male, 12.0ft (3.7m)	11.50	11.04	10.58	10.12	9.66

RG59A/U - 75 Ohm Coaxial Cables with Two Type F Plugs

CCF59-1	RG59A Cable, Type F Male / Male, 1.0ft (0.3m)	4.50	4.32	4.14	3.96	3.78
CCF59-3	RG59A Cable, Type F Male / Male, 3.0ft (0.9m)	5.50	5.28	5.06	4.84	4.62
CCF59-6	RG59A Cable, Type F Male / Male, 6.0ft (1.8m)	7.00	6.72	6.44	6.16	5.88
CCF59-9	RG59A Cable, Type F Male / Male, 9.0ft (2.7m)	8.50	8.16	7.82	7.48	7.14
CCF59-12	RG59A Cable, Type F Male / Male, 12.0ft (3.7m)	10.00	9.60	9.20	8.80	8.40
CCF59-25	RG59A Cable, Type F Male / Male, 25.0ft (7.6m)	16.50	15.84	15.18	14.52	13.86
CCF59-50	RG59A Cable, Type F Male / Male, 50.0ft (15.2m)	29.00	27.84	26.68	25.52	24.36

RG59A/U - 75 Ohm Coaxial Cables with Two Inline RCA Plugs

CC59A-RR-1	RG59A Cable, RCA Male / Male, 1.0ft (0.3m)	4.50	4.32	4.14	3.96	3.78
CC59A-RR-3	RG59A Cable, RCA Male / Male, 3.0ft (0.9m)	5.50	5.28	5.06	4.84	4.62
CC59A-RR-6	RG59A Cable, RCA Male / Male, 6.0ft (1.8m)	7.00	6.72	6.44	6.16	5.88
CC59A-RR-9	RG59A Cable, RCA Male / Male, 9.0ft (2.7m)	8.50	8.16	7.82	7.48	7.14
CC59A-RR-12	RG59A Cable, RCA Male / Male, 12.0ft (3.7m)	10.00	9.60	9.20	8.80	8.40

RG59A/U - 75 Ohm Coaxial Cables with Inline RCA to Inline BNC Plug

CC59A-RB-1	RG59A Cable, RCA Male / BNC Male, 1.0ft (0.3m)	4.50	4.32	4.14	3.96	3.78
CC59A-RB-3	RG59A Cable, RCA Male / BNC Male, 3.0ft (0.9m)	5.50	5.28	5.06	4.84	4.62
CC59A-RB-6	RG59A Cable, RCA Male / BNC Male, 6.0ft (1.8m)	7.00	6.72	6.44	6.16	5.88
CC59A-RB-9	RG59A Cable, RCA Male / BNC Male, 9.0ft (2.7m)	8.50	8.16	7.82	7.48	7.14
CC59A-RB-12	RG59A Cable, RCA Male / BNC Male, 12.0ft (3.7m)	10.00	9.60	9.20	8.80	8.40

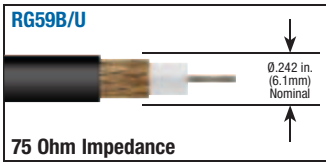
RG59A/U - 75 Ohm Coaxial Cables with Inline RCA to Type F Plug

CC59A-RF-1	RG59A Cable, RCA Male / Type F Male, 1.0ft (0.3m)	4.50	4.32	4.14	3.96	3.78
CC59A-RF-3	RG59A Cable, RCA Male / Type F Male, 3.0ft (0.9m)	5.50	5.28	5.06	4.84	4.62
CC59A-RF-6	RG59A Cable, RCA Male / Type F Male, 6.0ft (1.8m)	7.00	6.72	6.44	6.16	5.88
CC59A-RF-9	RG59A Cable, RCA Male / Type F Male, 9.0ft (2.7m)	8.50	8.16	7.82	7.48	7.14
CC59A-RF-12	RG59A Cable, RCA Male / Type F Male, 12.0ft (3.7m)	10.00	9.60	9.20	8.80	8.40

RG59B/U - 75 Ohm Coaxial Cables with Molded BNC and Type F Plugs

L-com offers a wide variety of RG59B/U cable assemblies utilizing BNC and Type F (next pg.) connectors. RG59B/U cable is one of the most commonly used 75 Ohm cables. In addition to inline configurations L-com offers right angle and female bulkheads. All connectors feature a molded strain relief while the Type F connector features a captivated gold plated center pin for enhanced performance. The solid center conductor of the RG59B/U cable provides optimum insertion loss performance.

RG59B/U



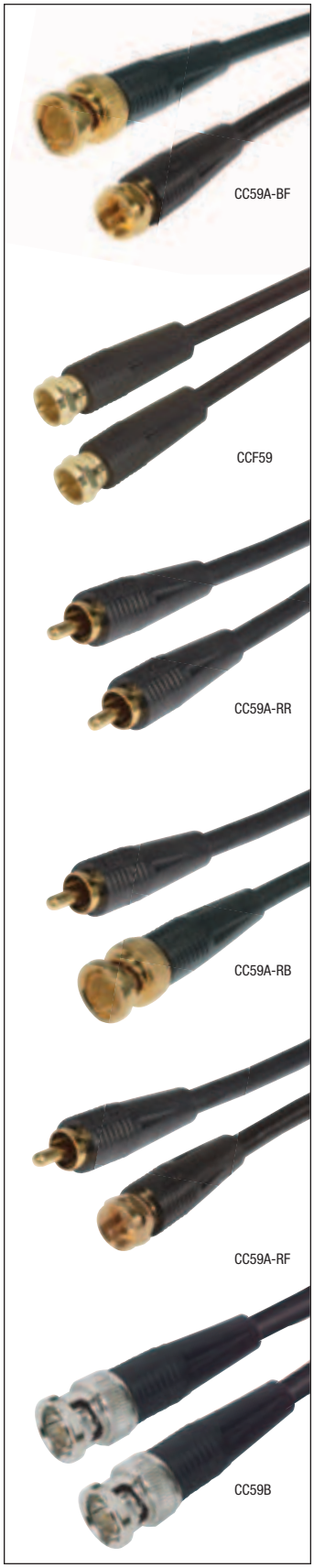
75 Ohm Impedance

RG59B/U
- Center Conductor: 22 AWG solid bare copper covered steel
- Shielding: Bare copper braid (95% coverage)
- Insulation: Polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	2.4	7.9
100	3.4	11.1
200	4.9	16.1
400	7.0	23.0
1000	12.0	39.3

RG59B/U - 75 Ohm Coaxial Cables with Two Inline BNC Plugs

CC59B-05	RG59B Cable, BNC Male / Male, 0.5ft (0.15m)	8.75	8.40	8.05	7.70	7.35
CC59B-1	RG59B Cable, BNC Male / Male, 1.0ft (0.3m)	9.00	8.64	8.28	7.92	7.56
CC59B-1.5	RG59B Cable, BNC Male / Male, 1.5ft (0.45m)	9.25	8.88	8.51	8.14	7.77
CC59B-2	RG59B Cable, BNC Male / Male, 2.0ft (0.6m)	9.50	9.12	8.74	8.36	7.98
CC59B-2.5	RG59B Cable, BNC Male / Male, 2.5ft (0.75m)	9.75	9.36	8.97	8.58	8.19
CC59B-3	RG59B Cable, BNC Male / Male, 3.0ft (0.9m)	10.00	9.60	9.20	8.80	8.40
CC59B-4	RG59B Cable, BNC Male / Male, 4.0ft (1.2m)	10.50	10.08	9.66	9.24	8.82
CC59B-5	RG59B Cable, BNC Male / Male, 5.0ft (1.5m)	11.00	10.56	10.12	9.68	9.24
CC59B-6	RG59B Cable, BNC Male / Male, 6.0ft (1.8m)	11.50	11.04	10.58	10.12	9.66
CC59B-7.5	RG59B Cable, BNC Male / Male, 7.5ft (2.3m)	12.25	11.76	11.27	10.78	10.29
CC59B-10	RG59B Cable, BNC Male / Male, 10.0ft (3.0m)	13.50	12.96	12.42	11.88	11.34
CC59B-12	RG59B Cable, BNC Male / Male, 12.0ft (3.7m)	14.50	13.92	13.34	12.76	12.18
CC59B-15	RG59B Cable, BNC Male / Male, 15.0ft (4.6m)	16.00	15.36	14.72	14.08	13.44
CC59B-25	RG59B Cable, BNC Male / Male, 25.0ft (7.6m)	21.00	20.16	19.32	18.48	17.64
CC59B-50	RG59B Cable, BNC Male / Male, 50.0ft (15.2m)	33.50	32.16	30.82	29.48	28.14
CC59B-75	RG59B Cable, BNC Male / Male, 75.0ft (22.9m)	46.00	44.16	42.32	40.48	38.64
CC59B-100	RG59B Cable, BNC Male / Male, 100.0ft (30.5m)	58.50	56.16	53.82	51.48	49.14
CC59B-150	RG59B Cable, BNC Male / Male, 150.0ft (45.7m)	83.50	80.16	76.82	73.48	70.14
CC59B-200	RG59B Cable, BNC Male / Male, 200.0ft (60.1m)	108.50	104.16	99.82	95.48	91.14



Informative e-mail newsletters
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CC59B-MF


CC59B-2HR

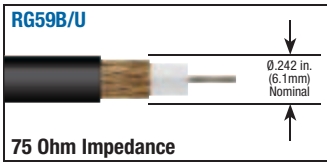

CC59B-2HR2


CCF59B


CCF6

Item #	Description	1-9	10-24	25-99	100-249	250-499

RG59B/U



75 Ohm Impedance

RG59B/U
- Center Conductor: 22 AWG solid bare copper covered steel
- Shielding: Bare copper braid (95% coverage)
- Insulation: Polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	2.4	7.9
100	3.4	11.1
200	4.9	16.1
400	7.0	23.0
1000	12.0	39.3

RG59B/U - 75 Ohm Coaxial Cables with Inline BNC Plug to BNC Jack

CC59B-MF-1	RG59B Cable, BNC Male / Female Bulkhead, 1.0ft (0.3m)	12.00	11.28	10.56	9.84	9.12
CC59B-MF-3	RG59B Cable, BNC Male / Female Bulkhead, 3.0ft (0.9m)	13.00	12.22	11.44	10.66	9.88
CC59B-MF-6	RG59B Cable, BNC Male / Female Bulkhead, 6.0ft (1.8m)	14.50	13.63	12.76	11.89	11.02
CC59B-MF-10	RG59B Cable, BNC Male / Female Bulkhead, 10.0ft (3.0m)	16.50	15.51	14.52	13.53	12.54
CC59B-MF-25	RG59B Cable, BNC Male / Female Bulkhead, 25.0ft (7.6m)	24.00	22.56	21.12	19.68	18.24
CC59B-MF-50	RG59B Cable, BNC Male / Female Bulkhead, 50.0ft (15.2m)	36.50	34.31	32.12	29.93	27.74

RG59B/U - 75 Ohm Coaxial Cables with One Inline BNC to One Right Angle BNC Plug

CC59B-1HR	RG59B Cable, BNC Male / 90° Male, 1.0ft (0.3m)	11.25	10.80	10.35	9.90	9.45
CC59B-1.5HR	RG59B Cable, BNC Male / 90° Male, 1.5ft (0.5m)	11.50	11.04	10.58	10.12	9.66
CC59B-2HR	RG59B Cable, BNC Male / 90° Male, 2.0ft (0.6m)	11.75	11.28	10.81	10.34	9.87
CC59B-3HR	RG59B Cable, BNC Male / 90° Male, 3.0ft (0.9m)	12.25	11.76	11.27	10.78	10.29
CC59B-4HR	RG59B Cable, BNC Male / 90° Male, 4.0ft (1.2m)	12.75	12.24	11.73	11.22	10.71
CC59B-5HR	RG59B Cable, BNC Male / 90° Male, 5.0ft (1.5m)	13.25	12.72	12.19	11.66	11.13
CC59B-7.5HR	RG59B Cable, BNC Male / 90° Male, 7.5ft (2.3m)	14.50	13.92	13.34	12.76	12.18
CC59B-10HR	RG59B Cable, BNC Male / 90° Male, 10.0ft (3.0m)	15.75	15.12	14.49	13.86	13.23

RG59B/U - 75 Ohm Coaxial Cables with Two Right Angle BNC Plugs

CC59B-1HR2	RG59B Cable, BNC 90° Male / 90° Male, 1.0ft (0.3m)	15.00	14.40	13.80	13.20	12.60
CC59B-2HR2	RG59B Cable, BNC 90° Male / 90° Male, 2.0ft (0.6m)	15.50	14.88	14.26	13.64	13.02
CC59B-2.5HR2	RG59B Cable, BNC 90° Male / 90° Male, 2.5ft (0.8m)	15.75	15.12	14.49	13.86	13.23
CC59B-3HR2	RG59B Cable, BNC 90° Male / 90° Male, 3.0ft (0.9m)	16.00	15.36	14.72	14.08	13.44
CC59B-7.5HR2	RG59B Cable, BNC 90° Male / 90° Male, 7.5ft (2.3m)	18.25	17.52	16.79	16.06	15.33

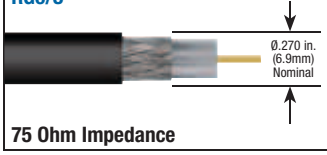
RG59B/U - 75 Ohm Coaxial Cables with Two Inline Molded Type F Plugs

CCF59B-1	RG59B Cable, Type F Male / Male, 1.0ft (0.3m)	4.50	4.32	4.14	3.96	3.78
CCF59B-3	RG59B Cable, Type F Male / Male, 3.0ft (0.9m)	5.50	5.28	5.06	4.84	4.62
CCF59B-6	RG59B Cable, Type F Male / Male, 6.0ft (1.8m)	7.00	6.72	6.44	6.16	5.88
CCF59B-9	RG59B Cable, Type F Male / Male, 9.0ft (2.7m)	8.50	8.16	7.82	7.48	7.14
CCF59B-12	RG59B Cable, Type F Male / Male, 12.0ft (3.7m)	10.00	9.60	9.20	8.80	8.40
CCF59B-25	RG59B Cable, Type F Male / Male, 25.0ft (7.6m)	16.50	15.84	15.18	14.52	13.86
CCF59B-50	RG59B Cable, Type F Male / Male, 50.0ft (15.2m)	29.00	27.84	26.68	25.52	24.36
CCF59B-100	RG59B Cable, Type F Male / Male, 100.0ft (30.5m)	54.00	51.84	49.68	47.52	45.36

RG6/U - 75 Ohm Coaxial Cables with Two Inline Type F Plugs

This series features low loss RG6 coaxial cable popular in transmission of television signal over cable. Features include: gold flash on connector surfaces, molded strain relief on the connector for superior protection and a captivated gold plated center conductor, not the cable's center conductor typically found in lower quality assemblies.

RG6/U



75 Ohm Impedance

RG6/U
- Center Conductor: 18 AWG solid bare copper covered steel
- Shielding: Inner foil (100% coverage); Outer, copper braid (60% coverage)
- Insulation: Foam Polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	1.5	4.9
100	2.1	6.9
200	3.1	10.2
400	4.5	14.8
1000	7.3	23.9

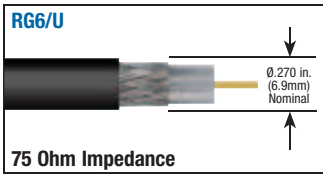
CCF6-1	RG6 Cable, Type F Male / Male, 1.0ft (0.3m)	5.75	5.17	4.60	4.02	3.45
CCF6-3	RG6 Cable, Type F Male / Male, 3.0ft (0.9m)	6.75	6.08	5.40	4.72	4.05
CCF6-6	RG6 Cable, Type F Male / Male, 6.0ft (1.8m)	8.25	7.42	6.60	5.77	4.95
CCF6-9	RG6 Cable, Type F Male / Male, 9.0ft (2.7m)	9.75	8.78	7.80	6.82	5.85
CCF6-12	RG6 Cable, Type F Male / Male, 12.0ft (3.7m)	11.25	10.13	9.00	7.87	6.75
CCF6-25	RG6 Cable, Type F Male / Male, 25.0ft (7.6m)	17.75	15.97	14.20	12.42	10.65
CCF6-50	RG6 Cable, Type F Male / Male, 50.0ft (15.2m)	30.25	27.23	24.20	21.17	18.15
CCF6-100	RG6 Cable, Type F Male / Male, 100.0ft (30.5m)	55.25	49.73	44.20	38.67	33.15

L-com® Global Connectivity

We want to help you!
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Item #	Description	1-9	10-24	25-99	100-249	250-499

RG6/U



75 Ohm Impedance

RG6/U
- Center Conductor: 18 AWG solid bare copper covered steel
- Shielding: Inner foil (100% coverage); Outer, copper braid (60% coverage)
- Insulation: Foam Polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	1.5	4.9
100	2.1	6.9
200	3.1	10.2
400	4.5	14.8
1000	7.3	23.9

RG6 Quad Shield - 75 Ohm Coaxial Cable Assemblies with Inline Type F Plugs

This series features premium grade RG6 cable with four layers of shielding for enhanced performance coupled with our BAC529 weather resistant Type F male connectors. These Type F connectors utilize both silicone sealant as well as an internal O-ring to achieve performance suitable for both indoor and outdoor applications.

CC6QF-05	RG6 Cable, Type F Male / Male, 0.5ft (0.2m)	20.00	18.80	17.60	16.40	15.20
CC6QF-1	RG6 Cable, Type F Male / Male, 1.0ft (0.3m)	20.25	19.04	17.82	16.61	15.39
CC6QF-3	RG6 Cable, Type F Male / Male, 3.0ft (0.9m)	21.25	19.97	18.70	17.43	16.15
CC6QF-6	RG6 Cable, Type F Male / Male, 6.0ft (1.8m)	22.75	21.38	20.02	18.66	17.29
CC6QF-9	RG6 Cable, Type F Male / Male, 9.0ft (2.7m)	24.25	22.79	21.34	19.89	18.43
CC6QF-12	RG6 Cable, Type F Male / Male, 12.0ft (3.7m)	25.75	24.20	22.66	21.12	19.57
CC6QF-25	RG6 Cable, Type F Male / Male, 25.0ft (7.6m)	32.25	30.31	28.38	26.45	24.51
CC6QF-50	RG6 Cable, Type F Male / Male, 50.0ft (15.2m)	44.75	42.06	39.38	36.70	34.01

RG59 and RG6 Plenum - 75 Ohm Cable with Inline BNC Plugs

This series offers the commonly used RG6 and RG59 cable sizes with a plenum jacket for applications that require this level of fire retardation and low smoke attributes. Offered with BNC male connectors in eight convenient lengths. Custom lengths available with modest minimums.

RG59 Plenum- 75 Ohm Coaxial Cable with Two Inline BNC Plugs

CC59PB-1	RG59 Plenum Cable, BNC Male / Male, 1.0ft (0.3m)	32.00	30.72	29.44	28.16	26.88
CC59PB-1.5	RG59 Plenum Cable, BNC Male / Male, 1.5ft (0.5m)	33.50	32.16	30.82	29.48	28.14
CC59PB-2	RG59 Plenum Cable, BNC Male / Male, 2.0ft (0.6m)	35.00	33.60	32.20	30.80	29.40
CC59PB-2.5	RG59 Plenum Cable, BNC Male / Male, 2.5ft (0.8m)	36.50	35.04	33.58	32.12	30.66
CC59PB-5	RG59 Plenum Cable, BNC Male / Male, 5.0ft (1.5m)	44.00	42.24	40.48	38.72	36.96
CC59PB-7.5	RG59 Plenum Cable, BNC Male / Male, 7.5ft (2.3m)	51.50	49.44	47.38	45.32	43.26
CC59PB-10	RG59 Plenum Cable, BNC Male / Male, 10.0ft (3.0m)	59.00	56.64	54.28	51.92	49.56
CC59PB-15	RG59 Plenum Cable, BNC Male / Male, 15.0ft (4.6m)	74.00	71.04	68.08	65.12	62.16

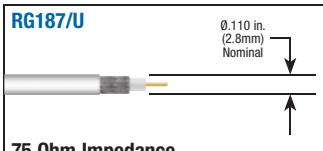
RG6 Plenum- 75 Ohm Coaxial Cable with Two Inline BNC Plugs

CC6PB-1	RG6 Plenum Cable, BNC Male / Male, 1.0ft (0.3m)	31.00	29.76	28.52	27.28	26.04
CC6PB-1.5	RG6 Plenum Cable, BNC Male / Male, 1.5ft (0.5m)	32.00	30.72	29.44	28.16	26.88
CC6PB-2	RG6 Plenum Cable, BNC Male / Male, 2.0ft (0.6m)	34.00	32.64	31.28	29.92	28.56
CC6PB-2.5	RG6 Plenum Cable, BNC Male / Male, 2.5ft (0.8m)	35.00	33.60	32.20	30.80	29.40
CC6PB-5	RG6 Plenum Cable, BNC Male / Male, 5.0ft (1.5m)	40.00	38.40	36.80	35.20	33.60
CC6PB-7.5	RG6 Plenum Cable, BNC Male / Male, 7.5ft (2.3m)	45.00	43.20	41.40	39.60	37.80
CC6PB-10	RG6 Plenum Cable, BNC Male / Male, 10.0ft (3.0m)	50.00	48.00	46.00	44.00	42.00
CC6PB-15	RG6 Plenum Cable, BNC Male / Male, 15.0ft (4.6m)	60.00	57.60	55.20	52.80	50.40

RG187/U - Hi-Temperature 75 Ohm Cable with Inline BNC and Type F Plugs

This series features a small diameter (.110/2.8mm) 75 Ohm cable with a 200°C operating temperature. Offered with BNC and Type F male connectors in eight standard lengths. Custom lengths and connector combinations available with modest minimums.

RG187/U



75 Ohm Impedance

RG187/U
- Center Conductor: 30 AWG (7 x 38) stranded silver plated copper covered steel
- Shielding: Silver coated copper braid (95% coverage)
- Insulation: TFE teflon
- Jacket: TFE teflon tape wrap
- Operating Temperature: -70°C - +200°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	8.5	27.9
100	10.0	32.8
200	12.5	41.0
400	16..0	52.5
1000	24.0	78.7

RG187/U - 75 Ohm Coaxial Cable Hi-Temperature with Two Inline BNC Plugs

CC187B-1	RG187 Cable, BNC Male / Male, 1.0ft (0.3m)	33.50	30.82	28.14	25.46	22.78
CC187B-1.5	RG187 Cable, BNC Male / Male, 1.5ft (0.5m)	35.00	32.20	29.40	26.60	23.80
CC187B-2	RG187 Cable, BNC Male / Male, 2.0ft (0.6m)	36.50	33.58	30.66	27.74	24.82
CC187B-2.5	RG187 Cable, BNC Male / Male, 2.5ft (0.8m)	38.00	34.96	31.92	28.88	25.84
CC187B-5	RG187 Cable, BNC Male / Male, 5.0ft (1.5m)	45.50	41.86	38.22	34.58	30.94
CC187B-7.5	RG187 Cable, BNC Male / Male, 7.5ft (2.3m)	53.00	48.76	44.52	40.28	36.04
CC187B-10	RG187 Cable, BNC Male / Male, 10.0ft (3.0m)	60.50	55.66	50.82	45.98	41.14
CC187B-15	RG187 Cable, BNC Male / Male, 15.0ft (4.6m)	75.50	69.46	63.42	57.38	51.34

RG187/U - 75 Ohm Coaxial Cable Hi-Temperature with Two Inline Type F Plugs

CC187F-1	RG187 Cable, Type F Male / Male, 1.0ft (0.3m)	28.50	27.36	26.22	25.08	23.94
CC187F-1.5	RG187 Cable, Type F Male / Male, 1.5ft (0.5m)	30.00	28.80	27.60	26.40	25.20
CC187F-2	RG187 Cable, Type F Male / Male, 2.0ft (0.6m)	31.50	30.24	28.98	27.72	26.46
CC187F-2.5	RG187 Cable, Type F Male / Male, 2.5ft (0.8m)	33.00	31.68	30.36	29.04	27.72
CC187F-7.5	RG187 Cable, Type F Male / Male, 7.5ft (2.3m)	48.00	46.08	44.16	42.24	40.32
CC187F-15	RG187 Cable, Type F Male / Male, 15.0ft (4.6m)	70.50	67.68	64.86	62.04	59.22


CC6QF


CC59PB


CC6PB

Did you know...

L-com, unlike many competitors, offers one of the largest in stock selections of coaxial cable assemblies available anywhere today?


CC187B

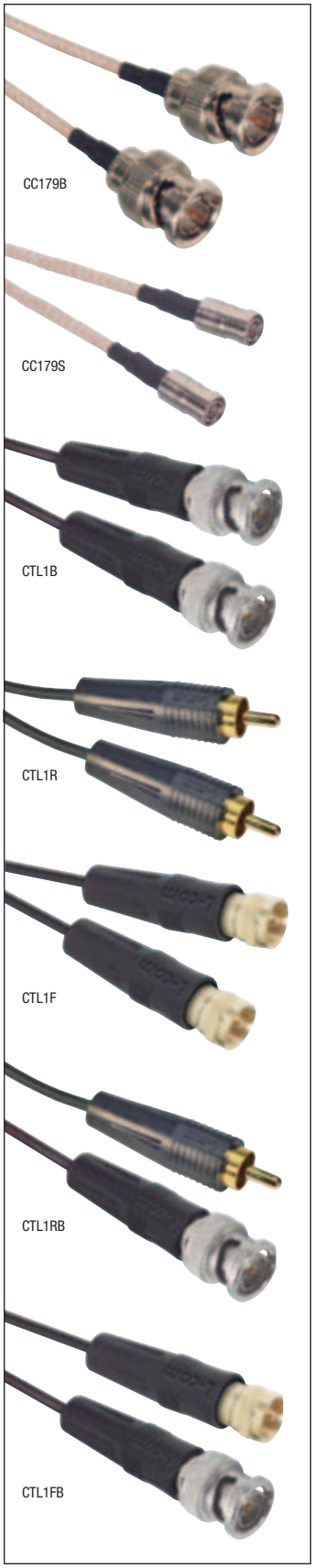

CC187F

Tip *When do you use plenum cable?*

In building construction, the space used for air circulation (heating and air conditioning) is called the plenum. This space is also commonly used to route communications cable. This poses a serious hazard in the event of fire due to lack of barriers to contain the smoke and flames. This is why various fire codes and the National Electrical Code (NEC) require the use of fire resistant and low smoke producing cable in these areas. This type of cable is called plenum cable and is coated with a fire retardant coating to produce a cable that is fire resistant and has low smoke producing characteristics.

Connect with
L-com Global Connectivity

L-com Global Connectivity



Item #	Description	1-9	10-24	25-99	100-249	250-499

RG179B/U - High Temperature Cable with Inline BNC and SMB Plugs

This 75 Ohm cable features a Brown tinted FEP outer jacket and an operating temperature of 200°C. Offered with both BNC and SMB plugs in eight convenient lengths. Other lengths and connector combinations available with modest minimums.

RG179B/U



75 Ohm Impedance

RG179B/U

- Center Conductor: 30 AWG (7 x 38) stranded silver plated copper covered steel
- Shielding: Silver coated copper braid (95% coverage)
- Insulation: TFE teflon
- Jacket: Brown FEP
- Operating Temperature: -70°C - +200°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	8.5	27.9
100	10.0	32.8
200	12.5	41.0
400	16.0	52.5
1000	24.0	78.7

RG179B/U - 75 Ohm High Temperature Cable with Two Inline BNC Plugs

CC179B-1	RG179 Cable, BNC Male / Male, 1.0ft (0.3m)	21.00	20.16	19.32	18.48	17.64
CC179B-1.5	RG179 Cable, BNC Male / Male, 1.5ft (0.45m)	21.75	20.88	20.01	19.14	18.27
CC179B-2	RG179 Cable, BNC Male / Male, 2.0ft (0.6m)	22.50	21.60	20.70	19.80	18.90
CC179B-2.5	RG179 Cable, BNC Male / Male, 2.5ft (0.75m)`	23.25	22.32	21.39	20.46	19.53
CC179B-5	RG179 Cable, BNC Male / Male, 5.0ft (1.5m)	27.00	25.92	24.84	23.76	22.68
CC179B-7.5	RG179 Cable, BNC Male / Male, 7.5ft (2.3m)	30.75	29.52	28.29	27.06	25.83
CC179B-10	RG179 Cable, BNC Male / Male, 10.0ft (3.0m)	34.50	33.12	31.74	30.36	28.98
CC179B-15	RG179 Cable, BNC Male / Male, 15.0ft (4.6m)	42.00	40.32	38.64	36.96	35.28

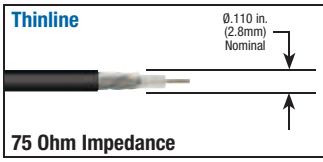
RG179B/U - 75 Ohm High Temperature Cable with Two Inline SMB Plugs

CC179S-1	RG179 Cable, SMB Male / Male, 1.0ft (0.3m)	36.00	34.56	33.12	31.68	30.24
CC179S-1.5	RG179 Cable, SMB Male / Male, 1.5ft (0.45m)	36.75	35.28	33.81	32.34	30.87
CC179S-2	RG179 Cable, SMB Male / Male, 2.0ft (0.6m)	37.50	36.00	34.50	33.00	31.50
CC179S-2.5	RG179 Cable, SMB Male / Male, 2.5ft (0.75m)	38.25	36.72	35.19	33.66	32.13
CC179S-5	RG179 Cable, SMB Male / Male, 5.0ft (1.5m)	42.00	40.32	38.64	36.96	35.28
CC179S-7.5	RG179 Cable, SMB Male / Male, 7.5ft (2.3m)	45.75	43.92	42.09	40.26	38.43
CC179S-10	RG179 Cable, SMB Male / Male, 10.0ft (3.0m)	49.50	47.52	45.54	43.56	41.58

Thinline 75 Ohm (.11" Dia.) Coaxial Cable Assemblies

Substitute our smaller diameter, more flexible, lighter weight thinline cable assemblies for your traditional 75 Ohm cable assemblies. This coaxial cable features a spiral tinned copper shield and a proprietary air foamed dielectric. This 75 Ohm cable is less than half the size of RG59 and RG6 cable assemblies. Available in BNC, RCA and Type F connectors all with fully molded strain relief.

Thinline



75 Ohm Impedance

Thinline

- Center Conductor: 28 AWG (7 x 38) stranded tinned copper wire
- Shielding: Tinned copper spiral shield (95% coverage)
- Insulation: Foamed polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
5	1.4	4.6
10	2.1	6.9
30	3.8	12.5
50	5.1	16.7
100	7.6	24.9

Thinline - 75 Ohm Coaxial Cables with Two Inline BNC Plugs

CTL1B-1	Thinline Cable, BNC Male / Male, 1.0ft (0.3m)	7.00	6.72	6.44	6.16	5.88
CTL1B-2.5	Thinline Cable, BNC Male / Male, 2.5ft (0.75m)	7.75	7.44	7.13	6.82	6.51
CTL1B-5	Thinline Cable, BNC Male / Male, 5.0ft (1.5m)	9.00	8.64	8.28	7.92	7.56
CTL1B-7.5	Thinline Cable, BNC Male / Male, 7.5ft (2.3m)	10.25	9.84	9.43	9.02	8.61
CTL1B-10	Thinline Cable, BNC Male / Male, 10.0ft (3.0m)	11.50	11.04	10.58	10.12	9.66
CTL1B-15	Thinline Cable, BNC Male / Male, 15.0ft (4.6m)	14.00	13.44	12.88	12.32	11.76
CTL1B-25	Thinline Cable, BNC Male / Male, 25.0ft (7.6m)	19.00	18.24	17.48	16.72	15.96

Thinline - 75 Ohm Coaxial Cables with Two Inline RCA Plugs

CTL1R-1	Thinline Cable, RCA Male / Male, 1.0ft (0.3m)	5.50	5.28	5.06	4.84	4.62
CTL1R-5	Thinline Cable, RCA Male / Male, 5.0ft (1.5m)	7.50	7.20	6.90	6.60	6.30
CTL1R-10	Thinline Cable, RCA Male / Male, 10.0ft (3.0m)	10.00	9.60	9.20	8.80	8.40
CTL1R-15	Thinline Cable, RCA Male / Male, 15.0ft (4.6m)	12.50	12.00	11.50	11.00	10.50
CTL1R-25	Thinline Cable, RCA Male / Male, 25.0ft (7.6m)	17.50	16.80	16.10	15.40	14.70

Thinline - 75 Ohm Coaxial Cables with Two Inline Type F Plugs

CTL1F-1	Thinline Cable, Type F Male / Male, 1.0ft (0.3m)	5.50	5.28	5.06	4.84	4.62
CTL1F-5	Thinline Cable, Type F Male / Male, 5.0ft (1.5m)	7.50	7.20	6.90	6.60	6.30
CTL1F-10	Thinline Cable, Type F Male / Male, 10.0ft (3.0m)	10.00	9.60	9.20	8.80	8.40
CTL1F-15	Thinline Cable, Type F Male / Male, 15.0ft (4.6m)	12.50	12.00	11.50	11.00	10.50
CTL1F-25	Thinline Cable, Type F Male / Male, 25.0ft (7.6m)	17.50	16.80	16.10	15.40	14.70

Thinline - 75 Ohm Coaxial Cables with One Inline RCA to One Inline BNC Plug

CTL1RB-1	Thinline Cable, RCA Male / BNC Male, 1.0ft (0.3m)	5.50	5.28	5.06	4.84	4.62
CTL1RB-5	Thinline Cable, RCA Male / BNC Male, 5.0ft (1.5m)	7.50	7.20	6.90	6.60	6.30
CTL1RB-10	Thinline Cable, RCA Male / BNC Male, 10.0ft (3.0m)	10.00	9.60	9.20	8.80	8.40
CTL1RB-15	Thinline Cable, RCA Male / BNC Male, 15.0ft (4.6m)	12.50	12.00	11.50	11.00	10.50
CTL1RB-25	Thinline Cable, RCA Male / BNC Male, 25.0ft (7.6m)	17.50	16.80	16.10	15.40	14.70

Thinline - 75 Ohm Coaxial Cables with One Inline Type F to One Inline BNC Plug

CTL1FB-1	Thinline Cable, Type F Male / BNC Male, 1.0ft (0.3m)	6.50	6.24	5.98	5.72	5.46
CTL1FB-5	Thinline Cable, Type F Male / BNC Male, 5.0ft (1.5m)	8.50	8.16	7.82	7.48	7.14
CTL1FB-10	Thinline Cable, Type F Male / BNC Male, 10.0ft (3.0m)	11.00	10.56	10.12	9.68	9.24
CTL1FB-15	Thinline Cable, Type F Male / BNC Male, 15.0ft (4.6m)	13.50	12.96	12.42	11.88	11.34
CTL1FB-25	Thinline Cable, Type F Male / BNC Male, 25.0ft (7.6m)	18.50	17.76	17.02	16.28	15.54

L-com® Global Connectivity

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Item #	Description	1-9	10-24	25-99	100-249	250-499

Digital Video Cable Assemblies

L-com offers a series of finished cable assemblies having digital grade cable and connectors assembled to exacting specifications in our factory. Available with either C1505A or C1506A cable and BNC inline or 90 degree configurations.

C1505A Digital 75 Ohm Coaxial Cable with Two Inline Digital BNC Plugs

C1505A-B-5	C1505A Cable, BNC Male / Male, 5.0ft (1.5m)	45.00	43.20	41.40	39.60	37.80
C1505A-B-10	C1505A Cable, BNC Male / Male, 10.0ft (3.0m)	49.00	47.04	45.08	43.12	41.16
C1505A-B-15	C1505A Cable, BNC Male / Male, 15.0ft (4.6m)	53.00	50.88	48.76	46.64	44.52
C1505A-B-25	C1505A Cable, BNC Male / Male, 25.0ft (7.6m)	61.00	58.56	56.12	53.68	51.24

C1505A Digital 75 Ohm Coaxial Cable with Inline to 90° Digital BNC Plugs

C1505A-BR-5	C1505A Cable, BNC Male / 90° Male, 5.0ft (1.5m)	60.00	57.60	55.20	52.80	50.40
C1505A-BR-10	C1505A Cable, BNC Male / 90° Male, 10.0ft (3.0m)	64.00	61.44	58.88	56.32	53.76
C1505A-BR-15	C1505A Cable, BNC Male / 90° Male, 15.0ft (4.6m)	68.00	65.28	62.56	59.84	57.12
C1505A-BR-25	C1505A Cable, BNC Male / 90° Male, 25.0ft (7.6m)	76.00	72.96	69.92	66.88	63.84

C1506A Digital 75 Ohm Plenum Coaxial Cable with Two Inline Digital BNC Plugs

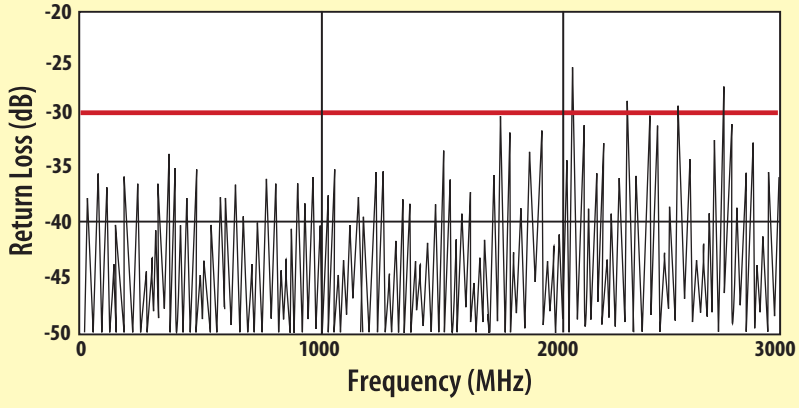
C1506A-B-5	C1506A Cable, BNC Male / Male, 5.0ft (1.5m)	70.00	67.20	64.40	61.60	58.80
C1506A-B-10	C1506A Cable, BNC Male / Male, 10.0ft (3.0m)	74.00	71.04	68.08	65.12	62.16
C1506A-B-15	C1506A Cable, BNC Male / Male, 15.0ft (4.6m)	78.00	74.88	71.76	68.64	65.52
C1506A-B-25	C1506A Cable, BNC Male / Male, 25.0ft (7.6m)	86.00	82.56	79.12	75.68	72.24

C1506A Digital 75 Ohm Plenum Coaxial Cable with Inline to 90° Digital BNC Plugs

C1506A-BR-5	C1506A Cable, BNC Male / 90° Male, 5.0ft (1.5m)	80.00	76.80	73.60	70.40	67.20
C1506A-BR-10	C1506A Cable, BNC Male / 90° Male, 10.0ft (3.0m)	84.00	80.64	77.28	73.92	70.56

Tip ***Digital and analog video cable***

This return loss chart illustrates why digital video cable performance is vastly different than analog video cable. Analog video bandwidth at 6 MHz is quite narrow and low in frequency while digital video bandwidth depending on data rate can be as much as 750 MHz with a higher operating frequency. As the bandwidth and frequency increase so does the difficulty of limiting spikes above the -30dB range. Standard RG59 and RG6 type cable, commonly used for analog video, does not have sufficient bandwidth for optimal performance in digital video applications and will limit lengths as well as degrade performance. C1505A and C1506A cable with associated BNC connectors are specifically designed for the more demanding digital video frequency and bandwidth.



Premium 3.5mm (1/8") 3 Conductor Cables for Microphones, Speakers and Other Applications

These low loss premium 3.5mm cable assemblies offer superior performance when compared to similar commercial counterparts. Connectors are gold plated reducing corrosion while maintaining reliable contact. 22 AWG conductors and a double shield provide minimum loss even at long lengths.

CTL35MM-3	Stereo Cable, 3.5mm Male / Male, 3.0ft (0.9m)	5.00	4.80	4.60	4.40	4.20
CTL35MM-5	Stereo Cable, 3.5mm Male / Male, 5.0ft (1.5m)	6.00	5.76	5.52	5.28	5.04
CTL35MM-10	Stereo Cable, 3.5mm Male / Male, 10.0ft (3.0m)	8.50	8.16	7.82	7.48	7.14
CTL35MM-25	Stereo Cable, 3.5mm Male / Male, 25.0ft (7.6m)	16.00	15.36	14.72	14.08	13.44
CTL35MM-50	Stereo Cable, 3.5mm Male / Male, 50.0ft (15.2m)	28.50	27.36	26.22	25.08	23.94
CTL35MM-100	Stereo Cable, 3.5mm Male / Male, 100.0ft (30.5m)	53.50	51.36	49.22	47.08	44.94
CTL35MF-3	Stereo Cable, 3.5mm Male / Female, 3.0ft (0.9m)	5.00	4.80	4.60	4.40	4.20
CTL35MF-5	Stereo Cable, 3.5mm Male / Female, 5.0ft (1.5m)	6.00	5.76	5.52	5.28	5.04
CTL35MF-10	Stereo Cable, 3.5mm Male / Female, 10.0ft (3.0m)	8.50	8.16	7.82	7.48	7.14
CTL35MF-25	Stereo Cable, 3.5mm Male / Female, 25.0ft (7.6m)	16.00	15.36	14.72	14.08	13.44
CTL35MF-50	Stereo Cable, 3.5mm Male / Female, 50.0ft (15.2m)	28.50	27.36	26.22	25.08	23.94
CTL35MF-100	Stereo Cable, 3.5mm Male / Female, 100.0ft (30.5m)	53.50	51.36	49.22	47.08	44.94


C1505A-B


C1505A-BR


C1506A-B


C1506A-BR

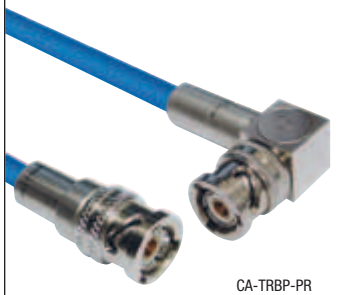

CTL35MM

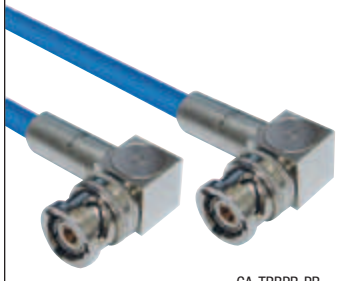

CTL35MF

RoHS status information
listed online for every product.
L-com.com/RoHS

L-com Global Connectivity


CA-TRBP-P

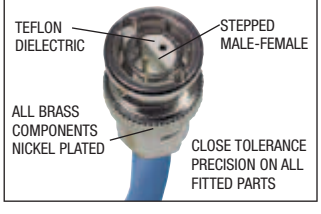

CA-TRBP-PR


CA-TRBPR-PR




CTC Series

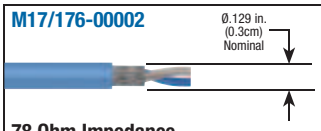
CTC Construction Detail



MIL-STD-1553B 78 Ohm Twinax Cable Assemblies

L-com's MIL-STD-1553B cable assemblies feature high-temperature M17/176-00002 twinax cable and TRB connectors designed for these types of bus applications. Standard lengths from 1' to 50' (0.3m to 15.2m). Custom lengths also available.

M17/176-00002



78 Ohm Impedance

M17/176-00002
- Center Conductor: 0.024" (0.1cm) Dia.
- Min. Bend Radius: 1.50" (3.8cm)
- Insulation Material: Teflon
- Outer Jacket: Blue Teflon
- Operating Temperature: -55°C - +200°C

NOMINAL ATTENUATION	
MHz	db/100ft
1	1.400
3	2.100
10	4.5 Max.

78 Ohm Twinax Cables - M17/176-00002 with Two Inline TRB Plugs

Item #	Description	1-9	10-24	25-99	100-249	250-499
CA-TRBP-P001	M17/176-00002 Twinax Cable, TRB Plug / Plug, 1.0ft (0.3m)	79.99	75.19	70.39	65.59	60.79
CA-TRBP-P002	M17/176-00002 Twinax Cable, TRB Plug / Plug, 2.0ft (0.6m)	82.49	77.54	72.59	67.64	62.69
CA-TRBP-P003	M17/176-00002 Twinax Cable, TRB Plug / Plug, 3.0ft (0.9m)	84.99	79.89	74.79	69.69	64.59
CA-TRBP-P004	M17/176-00002 Twinax Cable, TRB Plug / Plug, 4.0ft (1.2m)	87.49	82.24	76.99	71.74	66.49
CA-TRBP-P005	M17/176-00002 Twinax Cable, TRB Plug / Plug, 5.0ft (1.5m)	89.99	84.59	79.19	73.79	68.39
CA-TRBP-P006	M17/176-00002 Twinax Cable, TRB Plug / Plug, 6.0ft (1.8m)	92.49	86.94	81.39	75.84	70.29
CA-TRBP-P007	M17/176-00002 Twinax Cable, TRB Plug / Plug, 7.0ft (2.1m)	94.99	89.29	83.59	77.89	72.19
CA-TRBP-P010	M17/176-00002 Twinax Cable, TRB Plug / Plug, 10.0ft (3.0m)	102.49	96.34	90.19	84.04	77.89
CA-TRBP-P012	M17/176-00002 Twinax Cable, TRB Plug / Plug, 12.0ft (3.7m)	107.49	101.04	94.59	88.14	81.69
CA-TRBP-P015	M17/176-00002 Twinax Cable, TRB Plug / Plug, 15.0ft (4.6m)	114.49	107.62	100.75	93.88	87.01
CA-TRBP-P020	M17/176-00002 Twinax Cable, TRB Plug / Plug, 20.0ft (6.1m)	127.49	119.84	112.19	104.54	96.89
CA-TRBP-P025	M17/176-00002 Twinax Cable, TRB Plug / Plug, 25.0ft (7.6m)	139.99	131.59	123.19	114.79	106.39
CA-TRBP-P050	M17/176-00002 Twinax Cable, TRB Plug / Plug, 50.0ft (15.2m)	202.49	190.34	178.19	166.04	153.89

78 Ohm Twinax Cables - M17/176-00002 with Inline TRB to Right Angle TRB Plugs

Item #	Description	1-9	10-24	25-99	100-249	250-499
CA-TRBP-PR001	M17/176-00002 Twinax Cable, TRB Plug / 90° Plug, 1.0ft (0.3m)	239.99	225.59	211.19	196.79	182.39
CA-TRBP-PR002	M17/176-00002 Twinax Cable, TRB Plug / 90° Plug, 2.0ft (0.6m)	242.49	227.94	213.39	198.84	184.29
CA-TRBP-PR003	M17/176-00002 Twinax Cable, TRB Plug / 90° Plug, 3.0ft (0.9m)	244.99	230.29	215.59	200.89	186.19
CA-TRBP-PR004	M17/176-00002 Twinax Cable, TRB Plug / 90° Plug, 4.0ft (1.2m)	247.49	232.64	217.79	202.94	188.09
CA-TRBP-PR005	M17/176-00002 Twinax Cable, TRB Plug / 90° Plug, 5.0ft (1.5m)	249.99	234.99	219.99	204.99	189.99
CA-TRBP-PR006	M17/176-00002 Twinax Cable, TRB Plug / 90° Plug, 6.0ft (1.8m)	252.49	237.34	222.19	207.04	191.89
CA-TRBP-PR007	M17/176-00002 Twinax Cable, TRB Plug / 90° Plug, 7.0ft (2.1m)	254.99	239.69	224.39	209.09	193.79
CA-TRBP-PR010	M17/176-00002 Twinax Cable, TRB Plug / 90° Plug, 10.0ft (3.0m)	262.49	246.74	230.99	215.24	199.49
CA-TRBP-PR012	M17/176-00002 Twinax Cable, TRB Plug / 90° Plug, 12.0ft (3.7m)	267.49	251.44	235.39	219.34	203.29
CA-TRBP-PR015	M17/176-00002 Twinax Cable, TRB Plug / 90° Plug, 15.0ft (4.6m)	274.99	258.49	241.99	225.49	208.99
CA-TRBP-PR020	M17/176-00002 Twinax Cable, TRB Plug / 90° Plug, 20.0ft (6.1m)	287.49	270.24	252.99	235.74	218.49
CA-TRBP-PR025	M17/176-00002 Twinax Cable, TRB Plug / 90° Plug, 25.0ft (7.6m)	299.99	281.99	263.99	245.99	227.99
CA-TRBP-PR050	M17/176-00002 Twinax Cable, TRB Plug / 90° Plug, 50.0ft (15.2m)	362.49	340.74	318.99	297.24	275.49

78 Ohm Twinax Cables - M17/176-00002 with Two Right Angle TRB Plugs

Item #	Description	1-9	10-24	25-99	100-249	250-499
CA-TRBPR-PR001	M17/176-00002 Twinax Cable, TRB 90° Plug / 90° Plug, 1.0ft (0.3m)	369.99	347.79	325.59	303.39	281.19
CA-TRBPR-PR002	M17/176-00002 Twinax Cable, TRB 90° Plug / 90° Plug, 2.0ft (0.6m)	372.49	350.14	327.79	305.44	283.09
CA-TRBPR-PR003	M17/176-00002 Twinax Cable, TRB 90° Plug / 90° Plug, 3.0ft (0.9m)	374.99	352.49	329.99	307.49	284.99
CA-TRBPR-PR004	M17/176-00002 Twinax Cable, TRB 90° Plug / 90° Plug, 4.0ft (1.2m)	377.49	354.84	332.19	309.54	286.89
CA-TRBPR-PR005	M17/176-00002 Twinax Cable, TRB 90° Plug / 90° Plug, 5.0ft (1.5m)	379.99	357.19	334.39	311.59	288.79
CA-TRBPR-PR006	M17/176-00002 Twinax Cable, TRB 90° Plug / 90° Plug, 6.0ft (1.8m)	382.49	359.54	336.59	313.64	290.69
CA-TRBPR-PR007	M17/176-00002 Twinax Cable, TRB 90° Plug / 90° Plug, 7.0ft (2.1m)	384.99	361.89	338.79	315.69	292.59
CA-TRBPR-PR010	M17/176-00002 Twinax Cable, TRB 90° Plug / 90° Plug, 10.0ft (3.0m)	392.49	368.94	345.39	321.84	298.29
CA-TRBPR-PR012	M17/176-00002 Twinax Cable, TRB 90° Plug / 90° Plug, 12.0ft (3.7m)	397.49	373.64	349.79	325.94	302.09
CA-TRBPR-PR015	M17/176-00002 Twinax Cable, TRB 90° Plug / 90° Plug, 15.0ft (4.6m)	404.99	380.69	356.39	332.09	307.79
CA-TRBPR-PR020	M17/176-00002 Twinax Cable, TRB 90° Plug / 90° Plug, 20.0ft (6.1m)	417.49	392.44	367.39	342.34	317.29
CA-TRBPR-PR025	M17/176-00002 Twinax Cable, TRB 90° Plug / 90° Plug, 25.0ft (7.6m)	429.99	404.19	378.39	352.59	326.79
CA-TRBPR-PR050	M17/176-00002 Twinax Cable, TRB 90° Plug / 90° Plug, 50.0ft (15.2m)	492.49	462.94	433.39	403.84	374.29

Concentric Twinax TRB Type Connectors

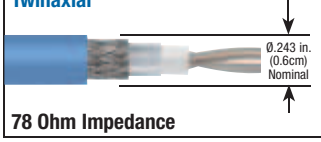
TRB type connectors from Trompeter feature a center contact and an intermediate cylindrical contact. The three bayonet design can withstand severe shocks and vibrations. Typically used for MIL-STD-1533B bus applications, these full crimp connectors are available in Straight and Right Angle Plug versions.

Item #	Description	Cable	Attachment	1-9	10-24	25-99	100-249	250-499
ATRBP-1553B	TRB Plug, Trompeter # PL75C-201	M17/176-00002	Crimp	23.90	22.47	21.03	19.60	18.16
ATRBPR-1553B	TRB Plug, Trompeter # PLR75C-201	M17/176-00002	Crimp	127.50	119.85	112.20	104.55	96.90

Twinaxial BNC Cables - Feature Polarized/Stepped Keyway and Crimp Design

This Twin BNC cable series accommodates the need for low level signal patching and balanced line applications. Fittings have polarized, stepped keyways that look like, but do not match traditional BNC coaxial connectors. Twin BNC connectors are constructed of machined brass with a non-tarnish nickel finish and gold plated contacts.

Twinaxial



78 Ohm Impedance

Twinaxial
- Center Conductors: 20 (7x28) AWG tinned copper
- Shielding: Tinned copper braid + foil (100% coverage)
- Insulation: Polyethylene
- Jacket: Blue PVC
- Operating Temperature: -20°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	5.0	16.4
100	7.5	24.6
200	11.0	36.1
400	16.0	52.5

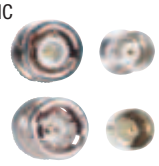
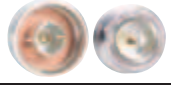
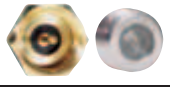
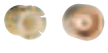
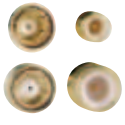
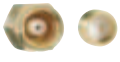
Item #	Description	1-9	10-24	25-99	100-249	250-499
CTC-1	78 Ohm Twinaxial Cable, Twin BNC Male / Male, 1.0ft (0.3m)	44.00	42.24	40.48	38.72	36.96
CTC-2	78 Ohm Twinaxial Cable, Twin BNC Male / Male, 2.0ft (0.6m)	45.00	43.20	41.40	39.60	37.80
CTC-3	78 Ohm Twinaxial Cable, Twin BNC Male / Male, 3.0ft (0.9m)	47.00	45.12	43.24	41.36	39.48
CTC-5	78 Ohm Twinaxial Cable, Twin BNC Male / Male, 5.0ft (1.5m)	51.00	48.96	46.92	44.88	42.84
CTC-7.5	78 Ohm Twinaxial Cable, Twin BNC Male / Male, 7.5ft (2.3m)	55.00	52.80	50.60	48.40	46.20
CTC-10	78 Ohm Twinaxial Cable, Twin BNC Male / Male, 10.0ft (3.0m)	59.00	56.64	54.28	51.92	49.56

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Helpful videos
How-to videos help with some of today's popular product applications. L-com.com/Tips

Tip How do you select the right coaxial cable interface for your application?

There are numerous coaxial interfaces in use today. These interfaces cover a broad range of applications including both 50 Ohm data signal transmission and 75 Ohm audio/video signal transmission. The following chart is a general guide to help you select the best interface for your specific application.

Interface Type	Impedance	Application	Coupling Mechanism	Typical Cable Types	Typical Frequency Range
BNC 	Available in both 50 and 75 Ohm	50 Ohm version is utilized in data signal transmission for such applications as WAN/LAN, Ethernet or Test & Measurement. 75 Ohm version is utilized in audio/video signal transmission for such applications as security and CATV	Two stud bayonet twist and lock	Wide variety of RG style coaxial cables including 50 Ohm RG174, RG58, RG142 etc. And 75 Ohm RG179, RG59, RG6	0-4 GHz
TNC (Threaded version of a BNC) 	50 Ohm	Data signal transmission for such applications as GPS, wireless base stations antennas and instrumentation	Threaded coupling	Wide variety of RG style coaxial cables including RG174, RG58, RG142, etc	0-11 GHz
SMA 	50 Ohm	Data signal transmission for such applications as GPS and instrumentation	Threaded coupling	Generally used on small diameter cable such as RG174, RG188 and RG316	0-18 GHz
Type N 	50 Ohm	Data signal transmission for such applications as GPS antennas and instrumentation	Threaded coupling	Generally used on larger diameter cable such as RG58, RG213 and RG223	0-11 GHz
Type F 	75 Ohm	Video signal transmission in applications such as CATV and entertainment video	Threaded coupling	Primarily RG59 and RG6	0-1 GHz
MCX 	50 Ohm	Data signal transmission for such applications as GPS antennas and instrumentation	Snap on coupling	Generally used on small diameter cable such as RG174, RG188 and RG316	0-6 GHz
MMCX 	50 Ohm	Data signal transmission for such applications as GPS antennas and PCMCIA cards	Snap on coupling	Generally used on small diameter cable such as RG174, RG188 and RG316	0-6 GHz
SMB 	Available in both 50 and 75 Ohm	Data signal transmission for such applications as digital cellular, GPS and wireless LAN	Snap on coupling	Generally used on small diameter cable such as 50 Ohm RG174, RG188 and RG316 and 75 Ohm RG179 and RG187	0-4 GHz
SMC 	Available in both 50 and 75 Ohm	Signal transmission for such applications as automotive GPS and telecom with high vibration requirements	Threaded coupling	Generally used on small diameter cable such as 50 Ohm RG174, RG188 and RG316 and 75 Ohm RG179 and RG187	0-10 GHz
Reverse Polarity TNC and SMA 	50 Ohm	Signal transmission in wireless spread spectrum devices that must comply with FCC non standard interface rule	Threaded coupling and RG58	Primarily used with RG174	TNC 0-11 GHz SMA 0-18 GHz

Note: Images on this page are for reference only and may not be to scale

Product wizards
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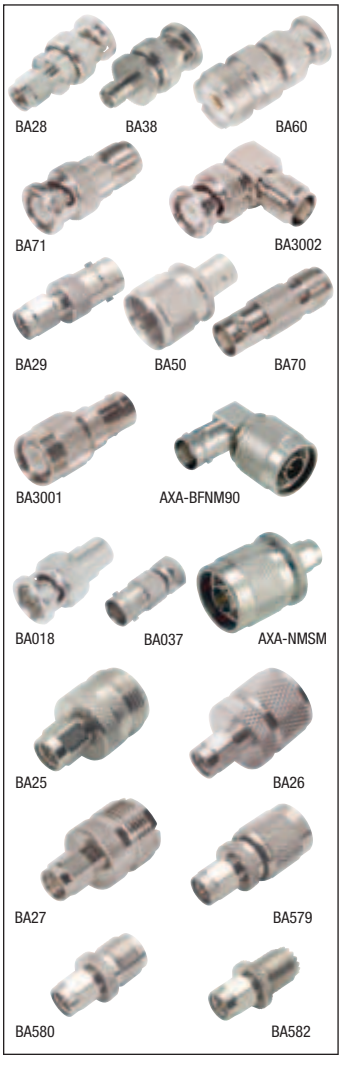
Coaxial Interseries Adapter Selection Matrix

Use this handy chart to locate the desired interseries adapter. Simply locate the connector type and gender in the top row and repeat in the left hand column. Intersect the row and column to determine availability. Adapters shown in this matrix are listed on this and the opposite page. If a specific adapter type is not listed, please visit our website at **L-com.com** for the latest information or call our technical support group at **800-343-1455** for assistance. Adapters listed are generally intended for use in the RF band.

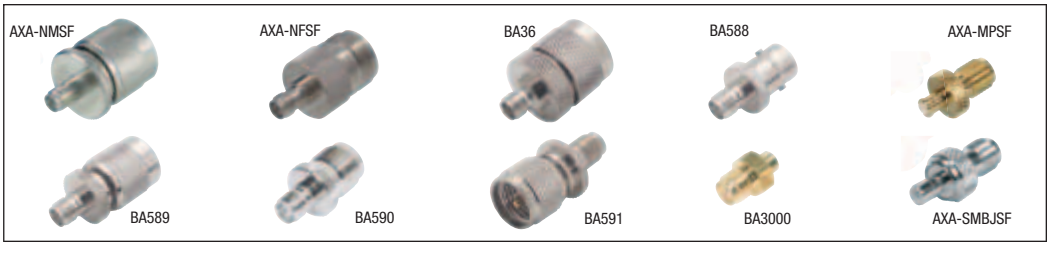
INTERFACE SERIES	BNC FEMALE	BNC MALE	F FEMALE	F MALE	TNC MALE	TNC FEMALE	MINI UHF F	MINI UHF M	N MALE	SMA F	SMA M	SMB J	SMB P	UHF F	UHF M	MCX P	MMCX F	NMO
BNC FEMALE			BA220	BA120, BA037	BA3001	BA70		BA883	BN109	BA588	BA29			BA230	BA50			
BNC MALE			BA125, BA017			BA71, BA3002	BA882		BN107	BA38	BA28			BA60	BA270			
F FEMALE	BA220	BA125, BA017				BA127			AXA-NMFF					BA301	BA160			
F MALE	BA120, BA037				BA121									BA130				
FME MALE	BA8016	BA8005, BA8006(RA)																
MINI UHF FEMALE		BA882			BA881						BA582							
MINI UHF MALE	BA883					BA886				BA591								
MCX										AXA-MPSF								
N FEMALE	BN110	BN115			AXA-NFTM			AXA-NFMUM		AXA-NFSF	BA25							AXA-AMNFB
N MALE	BN109 AXA-BFNM90	BN107	AXA-NMFF			AXA-NMTF				AXA-NMSF	AXA-NMSM							
RCA FEMALE	BA94	BA95, BA018	BA887												BA40			
RCA MALE	BA90		BA907											BA140				
SMA FEMALE	BA588	BA38			BA589	BA590		BA591	AXA-NMSF			AXA-SMBJSF	AXA-SMBPSF		BA36	AXA-MPSF	BA3000	
SMA MALE	BA29	BA28			BA579	BA580	BA582		AXA-NMSM					BA27	BA26			
SMB JACK										AXA-SMBJSF								
SMB PLUG										AXA-SMBPSF								
TNC FEMALE	BA70	BA71, BA3002	BA127					BA886	AXA-NMTF	BA590	BA580							
TNC MALE	BA3001			BA121			BA881			BA589	BA579							
UHF FEMALE	BA230	BA60	BA301	BA130							BA27							
UHF MALE	BA50	BA270	BA160							BA36	BA26							
1.6/5.6 MALE	BA9201	BA9200																

Reversed Polarity Types

INTERFACE SERIES	RP-BNC	RP-TNC PLUG	RP-TNC JACK	RP-SMA PLUG	RP-SMA JACK
N FEMALE	AXA-NFRBP	AXA-NFRTP, AXA-NFRTP2		AXA-NFRSP	AXA-NFRSJ AXA-RSJNFB
N MALE		AXA-NMRTP	AXA-NMRTJ	AXA-NMRSP	AXA-NMRSJ
RP-TNC				AXA-RTJRSP	AXA-RTPRSJ



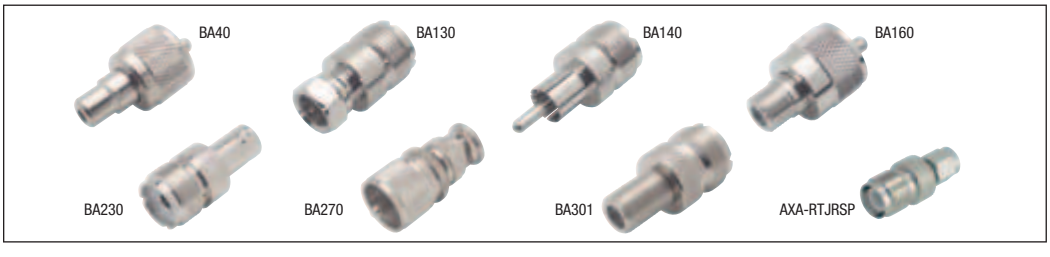
Item #	Description	1-9	10-24	25-99	100-249	250-499
BNC Interseries Coaxial Adapters - 50 Ohm						
BA28	Coaxial Adapter, BNC Male / SMA Male	5.75	5.40	5.06	4.72	4.37
BA38	Coaxial Adapter, BNC Male / SMA Female	5.75	5.40	5.06	4.72	4.37
BA60	Coaxial Adapter, BNC Male / UHF Female	3.95	3.71	3.48	3.24	3.00
BA71	Coaxial Adapter, BNC Male / TNC Female	4.50	4.23	3.96	3.69	3.42
BA3002	Coaxial Adapter, BNC Male / TNC Female, Right Angle	6.55	6.16	5.76	5.37	4.98
BA29	Coaxial Adapter, BNC Female / SMA Male	5.75	5.40	5.06	4.72	4.37
BA50	Coaxial Adapter, BNC Female / UHF Male	3.95	3.71	3.48	3.24	3.00
BA70	Coaxial Adapter, BNC Female / TNC Female	4.50	4.23	3.96	3.69	3.42
BA3001	Coaxial Adapter, BNC Female / TNC Male	4.00	3.76	3.52	3.28	3.04
AXA-BFNM90	Coaxial Adapter, BNC Female / Type N Male, Right Angle	5.75	5.52	5.29	4.89	4.31
BNC Interseries Coaxial Adapters - 75 Ohm						
BA017	Coaxial Adapter, BNC Male / Type F Female	3.95	3.71	3.48	3.24	3.00
BA018	Coaxial Adapter, BNC Male / RCA Female	2.95	2.77	2.60	2.42	2.24
BA037	Coaxial Adapter, BNC Female / Type F Male	3.95	3.71	3.48	3.24	3.00
SMA Interseries Coaxial Adapters - 50 Ohm						
AXA-NMSM	Coaxial Adapter, SMA Male / Type N Male	3.99	3.83	3.67	3.39	2.99
BA25	Coaxial Adapter, SMA Male / Type N Female	5.75	5.40	5.06	4.72	4.37
BA26	Coaxial Adapter, SMA Male / UHF Male	5.75	5.40	5.06	4.72	4.37
BA27	Coaxial Adapter, SMA Male / UHF Female	5.75	5.40	5.06	4.72	4.37
BA579	Coaxial Adapter, SMA Male / TNC Male	5.75	5.40	5.06	4.72	4.37
BA580	Coaxial Adapter, SMA Male / TNC Female	5.75	5.40	5.06	4.72	4.37
BA582	Coaxial Adapter, SMA Male / Mini UHF Female	5.75	5.40	5.06	4.72	4.37
AXA-NMSF	Coaxial Adapter, SMA Female / Type N Male	3.99	3.83	3.67	3.39	2.99
AXA-NFSF	Coaxial Adapter, SMA Female / Type N Female	5.35	5.03	4.71	4.39	4.07
BA36	Coaxial Adapter, SMA Female / UHF Male	5.75	5.40	5.06	4.72	4.37
BA588	Coaxial Adapter, SMA Female / BNC Female	5.75	5.40	5.06	4.72	4.37
BA589	Coaxial Adapter, SMA Female / TNC Male	5.75	5.40	5.06	4.72	4.37
BA590	Coaxial Adapter, SMA Female / TNC Female	5.75	5.40	5.06	4.72	4.37
BA591	Coaxial Adapter, SMA Female / Mini UHF Male	5.75	5.40	5.06	4.72	4.37
AXA-MPSF	Coaxial Adapter, SMA Female / MCX Plug	5.75	5.40	5.06	4.72	4.37
BA3000	Coaxial Adapter, SMA Female / MMCX Female	6.00	5.64	5.28	4.92	4.56
SMB Interseries Coaxial Adapters - 50 Ohm						
AXA-SMBJSF	Coaxial Adapter, SMB Jack / SMA Female	4.75	4.37	3.99	3.61	3.23
AXA-SMBPSF	Coaxial Adapter, SMB Plug / SMA Female	5.75	5.29	4.83	4.37	3.91



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Call toll free at 1-800-343-1455
if you have questions about your application.

Item #	Description	1-9	10-24	25-99	100-249	250-499
FME to BNC Interseries Coaxial Adapters - 50 and 75 Ohm - Useful in Cellular Applications						
Many cellular communication devices utilize the FME connector on coaxial antenna lines. L-com offers a selection of highest quality components utilizing machined brass with nickel plated surfaces and gold plated pins.						
BA8016	Coaxial Adapter, FME Male / BNC Female, 50 Ohm	4.95	4.65	4.36	4.06	3.76
BA8005	Coaxial Adapter, FME Male / BNC Male, 75 Ohm	3.95	3.71	3.48	3.24	3.00
BA8006	Coaxial Adapter, FME Male / 90° BNC Male, 75 Ohm	4.95	4.65	4.36	4.06	3.76
1.6/5.6 to BNC Interseries Coaxial Adapters - 50 Ohm - For Conversion to the European Standard						
These machined adapters are great for converting standard BNC terminations to 1.6/5.6 terminations which are common in other areas of the world.						
BA9200	Coaxial Adapter, BNC Male / 1.6/5.6 Female Adapter	7.95	7.47	7.00	6.52	6.04
BA9201	Coaxial Adapter, BNC Female / 1.6/5.6 Male Adapter	7.95	7.47	7.00	6.52	6.04
Type F Interseries Coaxial Adapters - 50 Ohm						
BA120	Coaxial Adapter, Type F Male / BNC Female	1.95	1.83	1.72	1.60	1.48
BA121	Coaxial Adapter, Type F Male / TNC Male	1.95	1.83	1.72	1.60	1.48
BA125	Coaxial Adapter, Type F Female / BNC Male	1.95	1.83	1.72	1.60	1.48
BA127	Coaxial Adapter, Type F Female / TNC Female	1.95	1.83	1.72	1.60	1.48
BA220	Coaxial Adapter, Type F Female / BNC Female	1.95	1.83	1.72	1.60	1.48
RCA Interseries Coaxial Adapters - 50 and 75 Ohm						
BA90	Coaxial Adapter, RCA Male / BNC Female, 50 Ohm	2.95	2.77	2.60	2.42	2.24
BA94	Coaxial Adapter, RCA Female / BNC Female, 50 Ohm	2.95	2.77	2.60	2.42	2.24
BA95	Coaxial Adapter, RCA Female / BNC Male, 50 Ohm	2.95	2.77	2.60	2.42	2.24
BA887	Coaxial Adapter, RCA Female / Type F Female, 50 Ohm	1.95	1.83	1.72	1.60	1.48
BA907	Coaxial Adapter, RCA Male / Type F Female, 75 Ohm	1.95	1.83	1.72	1.60	1.48
Type N Interseries Coaxial Adapters - 50 Ohm						
BN107	Coaxial Adapter, Type N Male / BNC Male	5.75	5.40	5.06	4.72	4.37
BN109	Coaxial Adapter, Type N Male / BNC Female	5.75	5.40	5.06	4.72	4.37
AXA-NMSM	Coaxial Adapter, Type N Male / SMA Male	3.99	3.83	3.67	3.39	2.99
AXA-NMTF	Coaxial Adapter, Type N Male / TNC Female	3.99	3.83	3.67	3.39	2.99
AXA-NMFF	Coaxial Adapter, Type N Male / Type F Female	3.49	3.35	3.21	2.97	2.62
AXA-NMRSJ	Coaxial Adapter, Type N Male / RP-SMA Jack	4.99	4.79	4.59	4.24	3.74
AXA-NMRSP	Coaxial Adapter, Type N Male / RP-SMA Plug	4.99	4.79	4.59	4.24	3.74
AXA-NMRTJ	Coaxial Adapter, Type N Male / RP-TNC Jack	4.99	4.79	4.59	4.24	3.74
AXA-NMRTP	Coaxial Adapter, Type N Male / RP-TNC Plug	4.99	4.79	4.59	4.24	3.74
BN110	Coaxial Adapter, Type N Female / BNC Female	5.75	5.40	5.06	4.72	4.37
BN115	Coaxial Adapter, Type N Female / BNC Male	5.75	5.40	5.06	4.72	4.37
AXA-AMNFB	Coaxial Adapter, Type N Female Bulkhead / NMO	12.99	12.47	11.95	11.04	9.74
AXA-NFMUM	Coaxial Adapter, Type N Female / Mini-UHF Male	3.49	3.35	3.21	2.97	2.62
AXA-NFTM	Coaxial Adapter, Type N Female / TNC Male	3.49	3.35	3.21	2.97	2.62
AXA-NFRBP	Coaxial Adapter, Type N Female / RP BNC Plug	3.49	3.35	3.21	2.97	2.62
AXA-NFRSJ	Coaxial Adapter, Type N Female / RP-SMA Jack	4.99	4.79	4.59	4.24	3.74
AXA-RSJNFB	Coaxial Adapter, Type N Female Bulkhead / RP-SMA Jack	5.75	5.52	5.29	4.89	4.31
AXA-NFRSP	Coaxial Adapter, Type N Female / RP-SMA Plug	3.99	3.83	3.67	3.39	2.99
AXA-NFRTP	Coaxial Adapter, Type N Female / RP-TNC Plug	4.99	4.79	4.59	4.24	3.74
AXA-NFRTP2	Coaxial Adapter, Type N Female / RP-TNC Plug 1 Piece Design	4.99	4.79	4.59	4.24	3.74
Mini-UHF Interseries Coaxial Adapters - 50 Ohm						
BA881	Coaxial Adapter, Mini-UHF Female / TNC Male	5.75	5.40	5.06	4.72	4.37
BA882	Coaxial Adapter, Mini-UHF Female / BNC Male	5.75	5.40	5.06	4.72	4.37
BA883	Coaxial Adapter, Mini-UHF Male / BNC Female	5.75	5.40	5.06	4.72	4.37
BA886	Coaxial Adapter, Mini-UHF Male / TNC Female	5.75	5.40	5.06	4.72	4.37
UHF Interseries Coaxial Adapters - 50 Ohm						
BA40	Coaxial Adapter, UHF Male / RCA Female	2.95	2.77	2.60	2.42	2.24
BA130	Coaxial Adapter, UHF Female / Type F Male	2.95	2.77	2.60	2.42	2.24
BA140	Coaxial Adapter, UHF Female / RCA Male	2.95	2.77	2.60	2.42	2.24
BA160	Coaxial Adapter, UHF Male / Type F Female	2.95	2.77	2.60	2.42	2.24
BA230	Coaxial Adapter, UHF Female / BNC Female	3.95	3.71	3.48	3.24	3.00
BA270	Coaxial Adapter, UHF Male / BNC Male	2.95	2.77	2.60	2.42	2.24
BA301	Coaxial Adapter, UHF Female / Type F Female	2.95	2.77	2.60	2.42	2.24
TNC Interseries Coaxial Adapters - 50 Ohm						
AXA-RTJRSP	Coaxial Adapter, RP-TNC Jack / RP-SMA Plug	3.99	3.83	3.67	3.39	2.99
AXA-RTPRSJ	Coaxial Adapter, RP-TNC Plug / RP-SMA Jack	3.99	3.83	3.67	3.39	2.99





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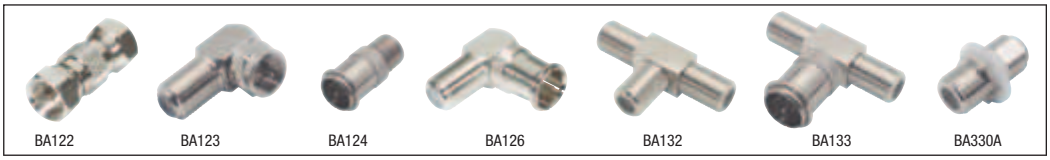
Coaxial Within Series Adapter Selection Matrix

Use this handy chart to locate the desired within series or T type adapter. Simply locate the connector type and configuration in the top row. Then find the connector type and gender in the left hand column. Intersect the row and column to determine availability. If a specific adapter type is not listed, please visit our website at **L-com.com** for the latest information or call our technical support group at **800-343-1455** for assistance. Adapters listed are generally intended for use in the RF band.

	SAME GENDER IN SERIES				GENDER CHANGE IN SERIES			
INTERFACE SERIES	STRAIGHT	BULKHEAD	3 PORT TEE (F, F, F)	RIGHT ANGLE	STRAIGHT	RIGHT ANGLE	3 PORT TEE (F, M, F)	3 PORT F or Y
BNC FEMALE	BA80, BA80E, BIF-CB	BA1087, BA1089, BA1087E	BA832, BA832E			BA240	BA250, BA250E, BIF-TB1, BIF-TB2	BA840 (F), BA845 (Y)
BNC FEMALE (75 Ohms)	BA016	BA036, BA039	BA019			BA038	BA035	
BNC MALE	BA100							
F FEMALE		BA330A	BA132		BA124	BA126, BA123	BA133	
F MALE	BA122							
MINI UHF FEMALE	BA476					BA470		
MINI UHF MALE	BA478							
N FEMALE	AXA-NFNF	AXA-NFNFB, AXA-NFNFB2	BN133			BN121	BN126	
N MALE	BN106, AXA-NMNM			AXA-NMNM90		AXA-NMNF90		
RCA FEMALE		BA400(R, G, B, Y), BA400A						
SMA FEMALE	BA23	BA21, AXA-SFSFB	BA18			BA20	BA19	
SMA MALE	BA22, AXA-SMSM							
RP-SMA PLUG	AXA-RSPRSP							
RP-SMA JACK		AXA-RSJRSJB						
TNC FEMALE		BA2301, BA1090			BA4000			
RP-TNC PLUG	AXA-RTPRTP							
RP-TNC JACK	AXA-RTJRTJ							
UHF FEMALE	BA170	BA406Z	BA303			BA404Z		
UHF MALE	BA280							



Item #	Description	1-9	10-24	25-99	100-249	250-499
BNC Within Series Adapters - 50 Ohm						
BA80	Coaxial Adapter, BNC Female / Female	1.95	1.83	1.72	1.60	1.48
BA100	Coaxial Adapter, BNC Male / Male	2.95	2.77	2.60	2.42	2.24
BA240	Coaxial Adapter, BNC Female / 90° Male	3.95	3.71	3.48	3.24	3.00
BA250	Coaxial T Adapter, BNC Female / Male / Female	3.95	3.71	3.48	3.24	3.00
BA832	Coaxial T Adapter, BNC Female / Female / Female	4.05	3.81	3.56	3.32	3.08
BA840	Coaxial Adapter, BNC Male / Female / Female	7.95	7.47	7.00	6.52	6.04
BA845	Coaxial Adapter, BNC Female / Male / Female	7.95	7.47	7.00	6.52	6.04
BA1087	Coaxial Adapter, BNC Bulkhead, Female / Female, Grounded	3.95	3.71	3.48	3.24	3.00
BA1089	Coaxial Adapter, BNC Bulkhead, Female / Female, Insulated Ground	4.95	4.65	4.36	4.06	3.76
True 75 Ohm BNC Within Series Adapters - To Precisely Match All 75 Ohm Coaxial Cables						
BA016	Coaxial Adapter, BNC Female / Female (Splice)	2.95	2.77	2.60	2.42	2.24
BA019	Coaxial T Adapter, BNC Female / Female / Female	4.95	4.65	4.36	4.06	3.76
BA035	Coaxial T Adapter, BNC Female / Male / Female	4.95	4.65	4.36	4.06	3.76
BA036	Coaxial Adapter, BNC Female / Female Bulkhead	4.95	4.65	4.36	4.06	3.76
BA038	Coaxial Adapter, BNC Male / 90° Female	4.95	4.65	4.36	4.06	3.76
BA039	Coaxial Adapter, BNC Female / Female Bulkhead, Insulated	5.65	5.31	4.97	4.63	4.29
Economy BNC Adapters - 50 Ohm - Cast Metal Components Save on Production Costs						
BA80E	Economy Coaxial Adapter, BNC Female / Female	1.25	1.17	1.10	1.03	0.95
BA250E	Economy Coaxial T Adapter, BNC Female / Male / Female	1.95	1.83	1.72	1.60	1.48
BA832E	Economy Coaxial T Adapter, BNC Female / Female / Female	2.95	2.77	2.60	2.42	2.24
BA1087E	Economy Coaxial Adapter, BNC Bulkhead Adapter, Grounded	2.95	2.77	2.60	2.42	2.24
SMA Within Series Adapters - 50 Ohm						
L-com offers the interseries coaxial adapters to help you match any SMA terminated cable to any other. Adapters are machined nickel plated brass, contacts are gold plated.						
BA18	Coaxial Adapter, SMA Female / Female / Female	5.75	5.40	5.06	4.72	4.37
BA19	Coaxial Adapter, SMA Female / Male / Female	5.75	5.40	5.06	4.72	4.37
BA20	Coaxial Adapter, SMA Female / Male, 90°	5.75	5.40	5.06	4.72	4.37
BA21	Coaxial Adapter, SMA Female / Female (Bulkhead)	5.75	5.40	5.06	4.72	4.37
BA22	Coaxial Adapter, SMA Male / Male	5.75	5.40	5.06	4.72	4.37
BA23	Coaxial Adapter, SMA Female / Female	5.75	5.40	5.06	4.72	4.37
AXA-SMSM	Coaxial Adapter, SMA Male / SMA Male Barrel Adapter	3.49	3.35	3.21	2.97	2.62
AXA-SFSFB	Coaxial Adapter, SMA Female / SMA Female Bulkhead Bullet Adapter	3.99	3.83	3.67	3.39	2.99
AXA-RSJRSJB	Coaxial Adapter, RP-SMA Jack / RP-SMA Jack Bulkhead Adapter	3.99	3.83	3.67	3.39	2.99
AXA-RSPRSP	Coaxial Adapter, RP-SMA Plug / RP-SMA Plug	3.99	3.83	3.67	3.39	2.99
Type F Within Series Adapters - 75 Ohm						
BA122	Coaxial Adapter, Type F Male / Male	1.95	1.83	1.72	1.60	1.48
BA123	Coaxial Adapter, Type F Female / Male, Right Angle	1.95	1.83	1.72	1.60	1.48
BA124	Coaxial Adapter, Type F Male Push-on / Female	1.25	1.17	1.10	1.03	0.95
BA126	Coaxial Adapter, Type F Female / Male Push On, 90°	1.95	1.83	1.72	1.60	1.48
BA132	Coaxial T Adapter, Type F Female / Female / Female	2.95	2.77	2.60	2.42	2.24
BA133	Coaxial T Adapter, Type F Male Push-on / Female / Female	2.95	2.77	2.60	2.42	2.24
BA330A	Coaxial Bulkhead Adapter, Type F Female / Female, (.5/1.3cm D-Hole), Insulated	1.95	1.83	1.72	1.60	1.48



L-com Global Connectivity

Connector reference chart
A handy listing of popular connectors.
L-com.com/ConnectorChart

RCA Female Feed-Thru Adapter - 75 Ohm - with Red, Green, Blue, Yellow or White Insulators

These RCA feed-thru adapters feature color coded insulators for video and audio applications. This color coding helps avoid improper connections.

Item #	Description	1-9	10-24	25-99	100-249	250-499
BA400R	Coaxial Adapter, RCA Bulkhead Female / Female, Red Insulator	3.65	3.43	3.21	2.99	2.77
BA400G	Coaxial Adapter, RCA Bulkhead Female / Female, Green Insulator	3.65	3.43	3.21	2.99	2.77
BA400B	Coaxial Adapter, RCA Bulkhead Female / Female, Blue Insulator	3.65	3.43	3.21	2.99	2.77
BA400Y	Coaxial Adapter, RCA Bulkhead Female / Female, Yellow Insulator	3.65	3.43	3.21	2.99	2.77
BA400	Coaxial Adapter, RCA Bulkhead Female / Female, White Insulator	3.65	3.43	3.21	2.99	2.77
BA400A	Coaxial Adapter, RCA Bulkhead Female / Female, 0.5" (1.3cm) Circular Hole	3.65	3.43	3.21	2.99	2.77

Type N Within Series Adapters - 50 Ohm

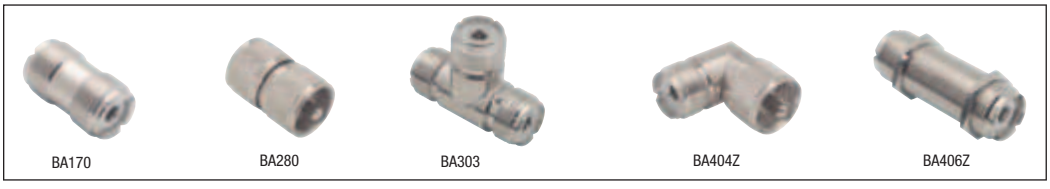
AXA-NMNM	Coaxial Adapter, Type N Male / Male Barrel Adapter	3.99	3.83	3.67	3.39	2.99
AXA-NFNF	Coaxial Adapter, Type N Female / Female Bullet Adapter	3.99	3.83	3.67	3.39	2.99
AXA-NMNM90	Coaxial Adapter, Type N Male / Male Right Angle Adapter	5.99	5.75	5.51	5.09	4.49
AXA-NMNF90	Coaxial Adapter, Type N Male / Female Right Angle Adapter	5.99	5.75	5.51	5.09	4.49
AXA-NFNFB2	Coaxial Adapter, Type N Female / Female 1/4" (0.6cm) (Bulkhead)	3.49	3.35	3.21	2.97	2.62
AXA-NFNFB	Coaxial Adapter, Type N Female / Female 1/8" (0.3cm) (Bulkhead)	3.49	3.35	3.21	2.97	2.62
BN121	Coaxial Adapter, Type N Male / Female Right Angle Adapter	5.75	5.40	5.06	4.72	4.37
BN126	Coaxial T Adapter, Type N Female / Female / Male	5.75	5.40	5.06	4.72	4.37
BN133	Coaxial T Adapter, Type N Female / Female / Female	5.75	5.40	5.06	4.72	4.37

Mini-UHF Within Series Adapters - 50 Ohm

BA470	Coaxial Adapter, Mini-UHF Female / 90° Male	8.99	8.81	8.63	8.45	8.27
BA476	Coaxial Adapter, Mini-UHF Female / Female	3.95	3.87	3.79	3.71	3.63
BA478	Coaxial Adapter, Mini-UHF Male / Male	3.95	3.71	3.48	3.24	3.00

UHF Within Series Adapters - 50 Ohm

BA170	Coaxial Adapter, UHF Female / Female	2.95	2.77	2.60	2.42	2.24
BA280	Coaxial Adapter, UHF Male / Male	3.95	3.71	3.48	3.24	3.00
BA303	Coaxial T Adapter, UHF Female / Female / Female	5.95	5.59	5.24	4.88	4.52
BA404Z	Coaxial Adapter, UHF Male / 90° Female	5.95	5.59	5.24	4.88	4.52
BA406Z	Coaxial Adapter, UHF Feed-Thru Female / Female	5.95	5.59	5.24	4.88	4.52



TNC Within Series Adapters - 50 Ohm

BA2301	Coaxial Adapter, TNC Bulkhead, Female / Female, Grounded	4.95	4.65	4.36	4.06	3.76
BA1090	Coaxial Adapter, TNC Bulkhead, Female / Female, Insulated Ground	5.95	5.59	5.24	4.88	4.52
BA4000	Coaxial Adapter, TNC Male / Female	3.75	3.52	3.30	3.08	2.85
AXA-RTJRTJ	Coaxial Adapter, RP-TNC Jack to RP-TNC Jack Bullet Adapter	3.99	3.83	3.67	3.39	2.99
AXA-RTPRTP	Coaxial Adapter, RP-TNC Plug to RP-TNC Plug Barrel Adapter	3.49	3.35	3.21	2.97	2.62
AXA-RTPRTJ90	Coaxial Adapter, RP-TNC Plug to RP-TNC Jack, Right Angle	5.75	5.52	5.29	4.89	4.31

Insulated Coaxial Connections - 50 Ohm - Needed to Prevent Ground Loops and Noise

Data signals are particularly susceptible to both ground loop and common mode interference. Reducing the number of ground points of a coaxial wiring system reduces the number of potential ground loops and multiple noise currents.

BIF-CB	Coaxial Coupler, BNC Female / Female	2.95	2.77	2.60	2.42	2.24
BIF-TB1	Coaxial T Adapter, BNC Female / Male / Female	5.65	5.31	4.97	4.63	4.29
BIF-TB2	Coaxial T Adapter, BNC Female / Male / Female	5.95	5.59	5.24	4.88	4.52

BNC Connector Identifiers/Insulators - Take on New Look with Color-Coded Insulated Covers

The conventional BNC crimp connector may now be modified to be fully insulated, helping eliminate ground loop problems. Our colorful slip-on insulated covers are quick to assemble and provide color coding. The hood cover is installed over the BNC movable collar; the plastic bend strain protector is slipped on over ferrule after the crimping operation. An important feature is the added support offered by the bend-protector; it helps prevent cable breakage.

BIF-H0	Coaxial Connector Cover for BNC, Pkg/10	Black	1.95	1.79	1.64	1.48	1.33
BIF-H2	Coaxial Connector Cover for BNC, Pkg/10	Red	1.95	1.79	1.64	1.48	1.33
BIF-H5	Coaxial Connector Cover for BNC, Pkg/10	Green	1.95	1.79	1.64	1.48	1.33
BIF-H6	Coaxial Connector Cover for BNC, Pkg/10	Blue	1.95	1.79	1.64	1.48	1.33
BIF-H9	Coaxial Connector Cover for BNC, Pkg/10	White	1.95	1.79	1.64	1.48	1.33
BIF-P0-58	Coaxial Plastic Bend Protector for RG58, Pkg/10	Black	2.50	2.30	2.10	1.90	1.70
BIF-P2-58	Coaxial Plastic Bend Protector for RG58, Pkg/10	Red	1.75	1.61	1.47	1.33	1.19
BIF-P5-58	Coaxial Plastic Bend Protector for RG58, Pkg/10	Green	1.75	1.61	1.47	1.33	1.19
BIF-P6-58	Coaxial Plastic Bend Protector for RG58, Pkg/10	Blue	1.75	1.61	1.47	1.33	1.19
BIF-P9-58	Coaxial Plastic Bend Protector for RG58, Pkg/10	White	1.75	1.61	1.47	1.33	1.19
BIF-P0-59/62	Coaxial Plastic Bend Protector for RG59 / RG62, Pkg/10	Black	1.75	1.61	1.47	1.33	1.19
BIF-P2-59/62	Coaxial Plastic Bend Protector for RG59 / RG62, Pkg/10	Red	1.75	1.61	1.47	1.33	1.19
BIF-P5-59/62	Coaxial Plastic Bend Protector for RG59 / RG62, Pkg/10	Green	1.75	1.61	1.47	1.33	1.19
BIF-P6-59/62	Coaxial Plastic Bend Protector for RG59 / RG62, Pkg/10	Blue	1.75	1.61	1.47	1.33	1.19
BIF-P9-59/62	Coaxial Plastic Bend Protector for RG59 / RG62, Pkg/10	White	1.75	1.61	1.47	1.33	1.19



Some Connectors are sold in 10-Packs. See website for details. Adapters are sold individually.



Helpful videos
How-to videos help with some of today's popular product applications. L-com.com/Tips

L-com Global Connectivity


BAK300

Item #	Description	1-9	10-24	25-99	100-249	250-499

Deluxe Coaxial Adapter Kit - Immediate Assembly of 108 Adapters

Thirty component parts interchangeably screw together to form up to 108 different types of coaxial adapters, all in a matter of seconds. Disassemble them when you're through, for use next time. Truly a problem solver for those unique situations and it replaces a drawer full of adapters. Premium quality, having gold center pins and Teflon insulators for good conductivity and low loss. All components are gold plated to prevent long term oxidation. The deluxe coaxial adapter kit contains male and female: Type N, BNC, TNC, SMA, UHF and Mini-UHF types of interconnections. Mix and match to suit your immediate needs. Supplied in a handy leatherette, zippered storage case ideal for portable use.

BAK300	Deluxe Coaxial Adapter Kit	125.00	120.00	115.00	110.00	105.00

Premium Coaxial Adapter Kit - Assemble up to 192 Different Adapters

Forty component parts interchangeably screw together to form up to 192 different types of coaxial adapters. The secret is the special in-between fittings that allow you to assemble virtually any coaxial adapter in a matter of seconds. Mix and match to suit your needs. Disassemble them when you're through for use next time. A problem solver for those unique situations and it replaces a drawer full of adapters. Premium quality, featuring gold plated pins and Teflon insulators and gold plated overall. Kit assembles the same types as the BAK300, plus RCA-Phono and Type F. Supplied in portable black leatherette zippered storage case. No technician or third party maintenance person should be without this.

BAK400	Premium Coaxial Adapter Kit	150.00	144.00	138.00	132.00	126.00


BAK400

Item #	Description	1-9	10-24	25-99	100-249	250-499

SMA Interseries Adapter Kit - 10 of the Most Commonly Used Adapters

The BA1200K includes 10 of the most commonly used SMA interseries adapters. This kit is a super value versus buying the parts separately and includes a free 7 compartment plastic case. Adapters included are: BA20, BA23 (2), BA28 (2), BA29 (2), BA34, BA38, BA588.

BA1200K	SMA Interseries Adapter Kit	49.95	46.95	43.96	40.96	37.96

BNC Within Series Adapter Kit

This useful adapter kit offers a super value to buying parts separately. Kit includes various BNC adapters as well as 3 port tees and right angle configurations all stored in a multi compartment storage case. Adapters are machined and plated for corrosion resistance and long life.

BA1700K	BNC Adapter Kit	39.95	37.55	35.16	32.76	30.36

BNC Interseries Assortment - Adapters to Mate SMA, UHF, RCA and Type F

A handy adapter assortment to have in the lab or workshop. How many times did you come up with a mismatch in coaxial cables and nowhere to turn to make the connection? We have the answer with our Interseries Assortment that contains eleven adapters, one each of the following: BA28, BA38, BA50, BA60, BA90, BA94, BA95, BA120, BA125, BA220 and BA230. Seven compartment carry case included.

BA1800K	BNC Interseries Adapter Assortment	39.95	37.55	35.16	32.76	30.36



BA1200K



BA1700K



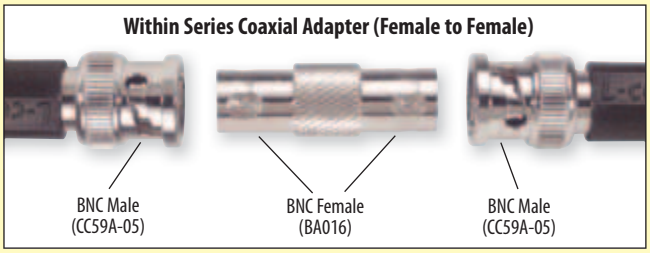
BA1800K

Tip

What is the difference between a WITHIN SERIES coaxial adapter and an INTERSERIES coaxial adapter?

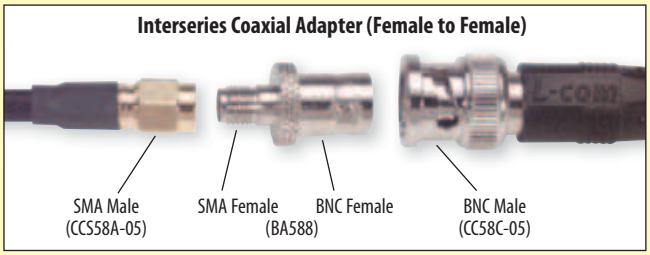
A **WITHIN SERIES** coaxial adapter connects between two interfaces of the same series (i.e. SMA to SMA) in female to female, male to female or male to male configurations.

Within Series Coaxial Adapter (Female to Female)



An **INTERSERIES** coaxial adapter connects between two interfaces of different series (i.e. SMA to BNC) in female to female, male to female or male to male configurations.

Interseries Coaxial Adapter (Female to Female)



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Customer Testimonials
Read why others choose L-com.
L-com.com/Testimonials

Coaxial Connector Selection Matrix

Use this handy chart to locate the desired coaxial connector. Simply locate the connector type and gender in the top row. Then find the coaxial cable type in the left hand column. Intersect the row and column to determine availability. Connectors shown in this matrix are listed on pages 184 thru 187. If a specific connector type is not listed, please visit our website at **L-com.com** for the latest information or call our technical support group at **800-343-1455** for assistance. Connectors listed are generally intended for use in the RF band. Assembly tools can be found on pages 192 and 193.

	PLUG TYPES												
CABLE TYPE	BNC	TNC	RP-TNC	SMA	RP-SMA	SMB	QMA	TYPE N	RP-TYPE N	MCX	MMCX	TYPE F	RCA
RG6 (75 Ohm)	BAC026, BAC029 BAC032											BAC-CFS6U BAC529 BAC-EX6	BAC700-6
RG6Q (75 Ohm)	BAC042												
RG58 (50 Ohm)	BAC836A-58 BAC10A BIF-83 BAC838-58	BAC898-58 BAC500 BAC525		BAC03 BAC03-G BAC02 BAC02-G				BAC519					
RG58 (50 Ohm) Plenum	BAC836A-58P												
RG59 (75 Ohm) Plenum	BAC028, BAC031, BAC541												
RG59/6 (75 Ohm)	BAC027, BAC027A BAC030, BAC836A-59 BAC033, BAC024 BAC706, BAC985 BAC543	BAC933-59 BAC893-59 BAC709										BAC-CFS59U BAC530 BAC-EX59	BAC700-59
RG142		BAC545						BAC533					
RG174/188/316 (50 Ohm)	BAC836B-74 BAC546	BAC531 BAC541	BAC541	BAC03A, BAC03A-G BAC02A, BAC02A-G BAC502				BAC523 ANM-1114	ARTP-1100	BAC507 BAC508	BAC509 BAC510 ARMMP-1100		
RG179/187/CTL (75 Ohm)	BAC836B-87 BAC551												
RG213 (50 Ohm)		BAC504						BAN111, BAC506					
RG223 (50 Ohm)	BAC547	BAC534						BAC533, BAC536					
734 (75 Ohm)	BAC-UPL220-025												
735 (75 Ohm)	BAC-UPL220-026												
1505A (75 Ohm)	BAC-UPL2000-D2B												
1506A (75 Ohm)	BAC-UPL2000-D8B												
BELDEN 9913	HPC992	HPC993						HPC994					
BELDEN 7807	HPC782	HPC783		HPC781									
PANEL MOUNT	BAC1501												
Low Loss 100 Series				ASM-1102	ARSP-1100	ASMBP-1100, ASMBP-1102		ANM-1114		AMM-1102	AMMM-1100 AMMM-1104 AMMM-1106		
Low Loss 195 Series	ABM-1700, ABM-1702	ATM-1700	ARTP-1708 ARTP-1714	ASM-1714 ASM-1710 ASM-1708	ARSP-1700 ARSP-1702		AQP-1700, AQP-1702	ANM-1700 ANM-1716	ARNP-1700			AFM-1700	
Low Loss 200 Series		ATM-1204	ARTP-1200	HPC201, HPC202	ARSP-1202			ANM-1202	ARNP-1202				
Low Loss 240 Series		ATM-1506	ARTP-1502	ASM-1504	ARSP-1504			ANM-1508, ANM-1516					
Low Loss 300 Series			ARTP-1312					ANM-1304					
Low Loss 400 Series		ATM-1402 ATML-1400	ARTP-1404	HPC401, HPC402, ASM-1406	ARSP-1404			HPC404, ANM-2400, ANM-1406, ANM-1416 ANM-2402	ARNP-1404				
Low Loss 600 Series		ATM-1608	ARTP-1606					ANM-2602, ANM-1610, ANM-1616					
Low Loss 900 Series								ANM-2904					

	JACK TYPES										
CABLE TYPE	BNC	TNC	RP-TNC	SMA	RP-SMA	SMB	TYPE N	RP-TYPE N	QMA	FME	TYPE F
RG6 (75 Ohm)	BAC516										
RG58 (50 Ohm)	BAC515, BAC522	BAC513, BAC501 BAC518		BAC05, BAC04			BAC524				
RG58 (50 Ohm) Plenum							BAC527				
RG59/6 (75 Ohm)	BAC908-59 BAC014, BAC552	BAC934-59									BAC520
RG142	BAC548	BAC553, BAC554					BAC544				
RG174/188/316 (50 Ohm)	BAC517, BAC540	BAC514, BAC528		BAC05A, BAC06A BAC503, BAC512							
RG179/187/CTL (75 Ohm)	BAC550										BAC535
RG223 (50 Ohm)							BAC544, BAC542				
Panel Mount	BAC260, BAC1503 BAC70A			BAC16			ANF-4000				
Low Loss 100 Series			ARTJ-1100			ASMBJ-1100					
Low Loss 195 Series		ATF-3700, ATF-1700	ARTJ-1708, ARTJ-3702	ASF-3700, ASF-1708	ARSJ-3700, ARSJ-1700		ANF-3700, ANF-1700 ANF-5700	ARNJ-1700	AQJ-3700	AFMEJ-1700	
Low Loss 200 Series							ANF-1202				
Low Loss 240 Series		ATF-1506					ANF-1508				
Low Loss 300 Series							ANF-1304				
Low Loss 400 Series		ATF-1402	ARTJ-3400, ARTJ-1404		ARSJ-1404		ANF-2400, ANF-1406	ARNJ-1404			
Low Loss 600 Series			ARTJ-1606				ANF-2602, ANF-1610				
Low Loss 900 Series							ANF-2904				

Product Wizards
Find the exact product you need with our easy-to-use wizards. L-com.com/ProductWizards

L-com® Global Connectivity



Coaxial Connectors

In addition to the most popular styles, L-com also provides harder to find connectors for all your application needs. Configurations include crimp style, clamp style, bulkhead style and panel mount connectors. Each connector is precision manufactured using only the highest quality materials.

TNC Coaxial Connectors, 50 Ohm

Item #	Description	Cable Type	Attachment	1-9	10-24	25-99	100-249	250-499
BAC893-58	TNC Male	RG58	Crimp	2.50	2.35	2.20	2.05	1.90
BAC525	TNC Male, Right Angle	RG58	Crimp	4.75	4.46	4.18	3.90	3.61
BAC545	TNC Male	RG142 / RG223 / RG400	Crimp	5.00	4.70	4.40	4.10	CALL
BAC531	TNC Male	RG174 / RG188 / RG316	Crimp	5.50	5.17	4.84	4.51	4.18
BAC504	TNC Male	RG213	Crimp	2.50	2.35	2.20	2.05	1.90
ATM-1204	TNC Male	Low-Loss 200-Series	Crimp	3.15	3.02	2.90	2.68	2.36
ATM-1506	TNC Male	Low-Loss 240-Series	Crimp	3.69	3.54	3.39	3.14	2.77
ATM-1402	TNC Male	Low-Loss 400-Series	Crimp	3.69	3.54	3.39	3.14	2.77
ATML-1400	TNC Male Reverse Thread	Low-Loss 400-Series	Crimp	3.49	3.35	3.21	2.97	2.62
BAC513	TNC Female	RG58	Crimp	2.50	2.35	2.20	2.05	1.90
BAC514	TNC Female	RG174 / RG188 / RG316	Crimp	2.50	2.35	2.20	2.05	1.90
BAC528	TNC Female Bulkhead	RG174 / RG188 / RG316	Crimp	6.00	5.64	5.28	4.92	4.56
BAC553	TNC Female	RG142 / RG223 / RG400	Crimp	5.50	5.17	4.84	4.51	4.18
BAC554	TNC Female Bulkhead	RG142 / RG223 / RG400	Crimp	6.25	5.88	5.50	5.13	4.75
ATF-1700	TNC Female	Low-Loss 195-Series, RG58	Crimp	1.69	1.62	1.55	1.44	1.27
ATF-1506	TNC Female	Low-Loss 240-Series	Crimp	3.49	3.35	3.21	2.97	2.62
ATF-1402	TNC Female	Low-Loss 400-Series	Crimp	3.99	3.83	3.67	3.39	2.99
ATF-3700	TNC Female Bulkhead	Low-Loss 195-Series, RG58	Crimp	3.49	3.35	3.21	2.97	2.62
ARTP-1A10	Reverse Polarity TNC Plug	RG6	Crimp	3.15	3.02	2.90	2.68	2.36
BAC500	Reverse Polarity TNC Plug	RG58	Crimp	4.95	4.55	4.16	3.76	3.37
ARTP-1100	Reverse Polarity TNC Plug	RG316 / RG174 / RG188	Crimp	4.95	4.55	4.16	3.76	3.37
ARTP-1708	Reverse Polarity TNC Plug	Low-Loss 195-Series, RG58	Crimp	3.15	3.02	2.90	2.68	2.36
ARTP-1200	Reverse Polarity TNC Plug	Low-Loss 200-Series	Crimp	3.15	3.02	2.90	2.68	2.36
ARTP-1502	Reverse Polarity TNC Plug	Low-Loss 240-Series	Crimp	4.19	4.02	3.85	3.56	3.14
ARTP-1312	Reverse Polarity TNC Plug	Low-Loss 300-Series	Crimp	4.19	4.02	3.85	3.56	3.14
ARTP-1404	Reverse Polarity TNC Plug	Low-Loss 400-Series	Crimp	4.19	4.02	3.85	3.56	3.14
ARTP-1606	Reverse Polarity TNC Plug	Low-Loss 600-Series	Crimp	5.25	5.04	4.83	4.46	3.94
BAC501	Reverse Polarity TNC Jack	RG58	Crimp	4.95	4.55	4.16	3.76	3.37
ARTJ-3702	Reverse Polarity TNC Jack Bulkhead	Low-Loss 195-Series, RG58	Crimp	3.15	3.02	2.90	2.68	2.36
ARTJ-1708	Reverse Polarity TNC Jack	Low-Loss 195-Series, RG58	Crimp	3.15	3.02	2.90	2.68	2.36
ARTJ-3400	Reverse Polarity TNC Jack Bulkhead	Low-Loss 400-Series	Crimp	3.15	3.02	2.90	2.68	2.36
ARTJ-1404	Reverse Polarity TNC Jack	Low-Loss 400-Series	Crimp	3.49	3.35	3.21	2.97	2.62
ARTJ-1606	Reverse Polarity TNC Jack	Low-Loss 600-Series	Crimp	3.49	3.35	3.21	2.97	2.62

TNC Coaxial Connectors, 75 Ohm

BAC893-59	TNC Male	RG59	Crimp	2.50	2.35	2.20	2.05	1.90
BAC933-59	TNC Male	RG59	Twist On	3.25	3.05	2.86	2.67	2.47
BAC709	TNC Male, Right Angle	RG59	Crimp	4.75	4.46	4.18	3.90	3.61
BAC934-59	TNC Female	RG59	Crimp	4.75	4.46	4.18	3.90	3.61

SMA Coaxial Connectors, 50 Ohm

BAC03-G	SMA Male, Gold	RG58	Crimp	4.25	3.99	3.74	3.49	3.23
BAC02-G	SMA Male, Right Angle Gold	RG58	Crimp	4.25	3.99	3.74	3.49	3.23
ASM-1710	SMA Male, Right Angle 195-Series	RG58	Crimp	3.49	3.35	3.21	2.97	2.62
ASM-1708	SMA Male, Straight 195-Series	RG58	Crimp	3.49	3.35	3.21	2.97	2.62
BAC02A	SMA Male, Right Angle Nickel	RG174 / RG188 / RG316	Crimp	4.25	3.99	3.74	3.49	3.23
BAC03A	SMA Male, Nickel	RG174 / RG188 / RG316	Crimp	4.25	3.99	3.74	3.49	3.23
BAC03A-G	SMA Male, Gold	RG174 / RG188 / RG316	Crimp	4.25	3.99	3.74	3.49	3.23
BAC02A	SMA Male, Right Angle Nickel	RG174 / RG188 / RG316	Crimp	4.25	3.99	3.74	3.49	3.23
BAC02A-G	SMA Male, Right Angle Gold	RG174 / RG188 / RG316	Crimp	3.95	3.63	3.32	3.00	2.69
ASM-1102	SMA Male	Low-Loss 100-Series	Crimp	3.49	3.35	3.21	2.97	2.62
ASM-1504	SMA Male	Low-Loss 240-Series	Crimp	3.15	3.02	2.90	2.68	2.36
ASM-1406	SMA Male	Low-Loss 400-Series	Crimp	3.49	3.35	3.21	2.97	2.62
HPC401	SMA Male	Low-Loss 400-Series	Crimp	9.50	8.74	7.98	7.22	6.46
BAC06A	SMA Female, Bulkhead Gold	RG174 / RG188 / RG316	Crimp	5.25	4.93	4.62	4.31	3.99
BAC05A	SMA Female, Nickel	RG174 / RG188 / RG316	Crimp	5.25	4.93	4.62	4.31	3.99
ASF-3700	SMA Female, Bulkhead	Low-Loss 195-Series, RG58	Crimp	3.49	3.35	3.21	2.97	2.62
ASF-1708	SMA Female	Low-Loss 195-Series, RG58	Crimp	3.49	3.35	3.21	2.97	2.62
BAC503	Reverse Polarity SMA Jack, Bulkhead	RG174 / RG188 / RG316	Crimp	4.95	4.55	4.16	3.76	3.37
BAC512	Reverse Polarity SMA Jack	RG174 / RG188 / RG316	Crimp	5.50	5.17	4.84	4.51	4.18
ARSJ-3700	Reverse Polarity SMA Jack, Bulkhead	Low-Loss 195-Series, RG58	Crimp	4.19	4.02	3.85	3.56	3.14
ARSJ-1700	Reverse Polarity SMA Jack	Low-Loss 195-Series, RG58	Crimp	4.19	4.02	3.85	3.56	3.14
ARSJ-1404	Reverse Polarity SMA Jack	Low-Loss 400-Series	Crimp	4.19	4.02	3.85	3.56	3.14
BAC502	Reverse Polarity SMA Plug	RG174 / RG188 / RG316	Crimp	4.95	4.55	4.16	3.76	3.37
ARSP-1100	Reverse Polarity SMA Plug	Low-Loss 100-Series	Crimp	3.49	3.35	3.21	2.97	2.62
ARSP-1700	Reverse Polarity SMA Plug	Low-Loss 195-Series, RG58	Crimp	4.30	4.13	3.96	3.65	3.22
ARSP-1702	Reverse Polarity SMA Plug, Right Angle	Low-Loss 195-Series, RG58	Crimp	4.19	4.02	3.85	3.56	3.14
ARSP-1202	Reverse Polarity SMA Plug	Low-Loss 200-Series	Crimp	3.49	3.35	3.21	2.97	2.62
HPC202	Reverse Polarity SMA Plug	Low-Loss 200-Series	Crimp	6.25	5.88	5.50	5.13	4.75
ARSP-1504	Reverse Polarity SMA Plug	Low-Loss 240-Series	Crimp	4.19	4.02	3.85	3.56	3.14
ARSP-1404	Reverse Polarity SMA Plug	Low-Loss 400-Series	Crimp	5.25	5.04	4.83	4.46	3.94

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Item #	Description	Cable Type	Attachment	1-9	10-24	25-99	100-249	250-499
Type N Coaxial Connectors, 50 Ohm								
ANM-1A18	Type N Male	RG6	Crimp	3.49	3.35	3.21	2.97	2.62
BAC536	Type N Male	RG142 / RG223 / RG400	Crimp	5.50	5.17	4.84	4.51	4.18
BAC523	Type N Male	RG174	Crimp	6.75	6.34	5.94	5.54	5.13
BAN111	Type N Male	RG213	Clamp	6.25	5.88	5.50	5.13	4.75
BAC506	Type N Male	RG213	Crimp	6.00	5.64	5.28	4.92	4.56
BAC533	Type N Male Right Angle	RG223	Crimp	6.75	6.34	5.94	5.54	5.13
ANM-1114	Type N Male	RG316 / RG174 / RG188	Crimp	3.49	3.35	3.21	2.97	2.62
ANM-1700	Type N Male	Low-Loss 195-Series, RG58	Crimp	3.49	3.35	3.21	2.97	2.62
ANM-1716	Type N Male Right Angle	Low-Loss 195-Series, RG58	Crimp	4.19	4.02	3.85	3.56	3.14
ANM-1202	Type N Male	Low-Loss 200-Series	Crimp	3.49	3.35	3.21	2.97	2.62
ANM-1508	Type N Male	Low-Loss 240-Series	Crimp	3.49	3.35	3.21	2.97	2.62
ANM-1516	Type N Male Right Angle	Low-Loss 240-Series	Crimp	6.29	6.04	5.79	5.35	4.72
ANM-1304	Type N Male	Low-Loss 300-Series	Crimp	3.49	3.35	3.21	2.97	2.62
ANM-1416	Type N Male Right Angle	Low-Loss 400-Series	Crimp	4.19	4.02	3.85	3.56	3.14
ANM-1406	Type N Male	Low-Loss 400-Series	Crimp	3.49	3.35	3.21	2.97	2.62
ANM-2400	Type N Male	Low-Loss 400-Series	Clamp	3.69	3.54	3.39	3.14	2.77
ANM-2402	Type N Male Right Angle	Low-Loss 400-Series	Clamp	7.85	7.54	7.22	6.67	5.89
ANM-2602	Type N Male	Low-Loss 600-Series	Clamp	5.25	5.04	4.83	4.46	3.94
ANM-1610	Type N Male	Low-Loss 600-Series	Crimp	6.29	6.04	5.79	5.35	4.72
ANM-1616	Type N Male Right Angle	Low-Loss 600-Series	Crimp	6.29	6.04	5.79	5.35	4.72
ANM-2904	Type N Male	Low-Loss 900-Series	Clamp	29.99	28.19	26.39	24.59	22.79
ANF-1A18	Type N Female	RG6	Crimp	3.49	3.35	3.21	2.97	2.62
BAC527	Type N Female	RG174 / RG188 / RG316	Crimp	7.25	6.81	6.38	5.95	5.51
BAC542	Type N Female Bulkhead	RG55 / RG141 / RG142 / RG223	Crimp	4.95	4.75	4.55	4.21	3.71
BAC544	Type N Female	RG55 / RG141 / RG142 / RG223	Crimp	6.00	5.64	5.28	4.92	4.56
ANF-3700	Type N Female Bulkhead	Low-Loss 195-Series, RG58	Crimp	4.19	4.02	3.85	3.56	3.14
ANF-1700	Type N Female	Low-Loss 195-Series, RG58	Crimp	3.49	3.35	3.21	2.97	2.62
ANF-5700	Type N Female Panel Mount	Low-Loss 195-Series, RG58	Crimp	3.69	3.54	3.39	3.14	2.77
ANF-1202	Type N Female	Low-Loss 200-Series	Crimp	3.49	3.35	3.21	2.97	2.62
ANF-1508	Type N Female	Low-Loss 240-Series	Crimp	3.49	3.35	3.21	2.97	2.62
ANF-1304	Type N Female	Low-Loss 300-Series	Crimp	3.49	3.35	3.21	2.97	2.62
ANF-1406	Type N Female	Low-Loss 400-Series	Crimp	3.49	3.35	3.21	2.97	2.62
ANF-2400	Type N Female	Low-Loss 400-Series	Clamp	3.69	3.54	3.39	3.14	2.77
ANF-2602	Type N Female	Low-Loss 600-Series	Clamp	4.99	4.79	4.59	4.24	3.74
ANF-1610	Type N Female	Low-Loss 600-Series	Crimp	6.29	6.04	5.79	5.35	4.72
ANF-2906	Type N Female	Low-Loss 900-Series	Clamp	29.99	28.19	26.39	24.59	22.79
ANF-2904	Type N Female, Times Microwave® #EZ-900-NFC-2	Low-Loss 900-Series	Clamp	75.00	73.50	72.00	70.50	69.00
ARNJ-1700	Reverse Polarity Type N Jack	Low-Loss 195-Series, RG58	Crimp	4.19	4.02	3.85	3.56	3.14
ARNJ-1404	Reverse Polarity Type N Jack	Low-Loss 400-Series	Crimp	4.19	4.02	3.85	3.56	3.14
ARNP-1700	Reverse Polarity Type N Plug	Low-Loss 195-Series, RG58	Crimp	4.19	4.02	3.85	3.56	3.14
ARNP-1404	Reverse Polarity Type N Plug	Low-Loss 400-Series	Crimp	4.19	4.02	3.85	3.56	3.14
BNC Coaxial Connectors, 50 Ohm								
BAC836A-58	BNC Male	RG58	Crimp	2.75	2.59	2.42	2.26	2.09
BAC836A-58P	BNC Male	RG58 Plenum	Crimp	3.50	3.29	3.08	2.87	2.66
BAC838-58	BNC Male	RG58	Twist On	4.25	3.99	3.74	3.49	3.23
BIF-83	BNC Male, Insulated	RG58	Crimp	4.25	3.99	3.74	3.49	3.23
BAC10A	BNC Male	RG58	Clamp	4.25	3.99	3.74	3.49	3.23
BAC547	BNC Male	RG142 / RG223 / RG400	Crimp	2.50	2.35	2.20	2.05	1.90
BAC836B-74	BNC Male	RG174 / RG188 / RG316	Crimp	4.75	4.46	4.18	3.90	3.61
BAC546	BNC Male, Right Angle	RG174 / RG188 / RG316	Crimp	4.75	4.46	4.18	3.90	3.61
ABM-1702	BNC Male, Right Angle	Low-Loss 195-Series, RG58	Crimp	4.25	4.08	3.91	3.61	3.19
BAC515	BNC Female	RG58	Crimp	4.25	3.99	3.74	3.49	3.23
BAC522	BNC Female Bulkhead	RG58	Crimp	5.25	4.93	4.62	4.31	3.99
BAC548	BNC Female	RG142	Crimp	4.75	4.46	4.18	3.90	3.61
BAC517	BNC Female	RG174 / RG188 / RG316	Crimp	4.25	3.99	3.74	3.49	3.23
BAC540	BNC Female	RG174 / RG188 / RG316	Crimp	5.00	4.70	4.40	4.10	3.80
ARBJ-1700	Reverse Polarity BNC Jack	Low-Loss 195-Series, RG58	Crimp	3.15	3.02	2.90	2.68	2.36
ARBP-1700	Reverse Polarity BNC Plug	Low-Loss 195-Series, RG58	Crimp	3.49	3.35	3.21	2.97	2.62
ARBP-1402	Reverse Polarity BNC Plug	Low-Loss 400-Series	Crimp	3.99	3.83	3.67	3.39	2.99
BNC Coaxial Connectors, 75 Ohm								
BAC026	BNC Male	RG6	Twist On	3.25	3.05	2.86	2.67	2.47
BAC032	BNC Male	RG6	Crimp (2 Pc)	3.25	3.05	2.86	2.67	2.47
BAC029	BNC Male	RG6	Crimp (3 Pc)	3.25	3.05	2.86	2.67	2.47
BAC042	BNC Male	RG6-Q	Crimp	2.25	2.11	1.98	1.85	1.71
BAC024	BNC Male	RG59	Twist On	3.25	3.05	2.86	2.67	2.47
BAC027	BNC Male	RG59 (23 AWG C.C.)	Crimp	3.25	3.05	2.86	2.67	2.47
BAC027A	BNC Male	RG59 (20 AWG C.C.)	Crimp	3.25	3.05	2.86	2.67	2.47
BAC028	BNC Male	RG59 Plenum	Crimp (3 Pc)	3.25	3.05	2.86	2.67	2.47
BAC030	BNC Male	RG59	Crimp (2 Pc)	3.25	3.05	2.86	2.67	2.47
BAC031	BNC Male	RG59 Plenum	Crimp (2 Pc)	3.25	3.05	2.86	2.67	2.47
BAC033	BNC Male	RG59	Solder	4.25	3.99	3.74	3.49	3.23
BAC543	BNC Male, Right Angle	RG59	Crimp	4.75	4.46	4.18	3.90	3.61
BAC706	BNC Male, Right Angle	RG59/6	Crimp	5.75	5.40	5.06	4.72	4.37
BAC985	BNC Male, Right Angle	RG59/6	Twist On	5.75	5.40	5.06	4.72	4.37
BAC836A-59	BNC Male	RG59/6	Crimp	2.75	2.59	2.42	2.26	2.09
BAC551	BNC Male, Right Angle	RG179 / RG187	Crimp	5.25	4.93	4.62	4.31	3.99
BAC836B-87	BNC Male	RG187 / CTL	Crimp	2.75	2.59	2.42	2.26	2.09
BAC516	BNC Female	RG6	Crimp	3.95	3.71	3.48	3.24	3.00
BAC014	BNC Female	RG59	Twist On	3.95	3.71	3.48	3.24	3.00
BAC908-59	BNC Female	RG59 / 6	Crimp	3.95	3.71	3.48	3.24	3.00
BAC552	BNC Female Bulkhead	RG59	Crimp	5.25	4.93	4.62	4.31	3.99
BAC550	BNC Female Bulkhead	RG179	Crimp	4.00	3.76	3.52	3.28	3.04



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See website for details.
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BAC-UPL2000-D8B


BAC-UPL220-026


BAC928


HPC992


HPC993


HPC994


HPC781


HPC782


HPC783


BAC1501


BAC1503


BAC70A


BAC260


BAC930


BAC440
Fits .375" (1.0 cm) hole


ANF-4000


BAC16


BAC-CFS6U
BAC-CFS59U


BAC529
BAC530


BAC-EX6
BAC-EX59


BAC520


BAC535


BAC700-6


BAC700-59


BAC507

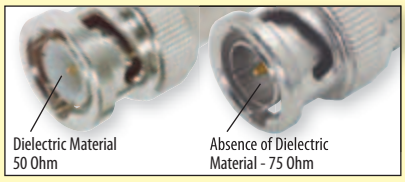

BAC508


BAC526


AUM-1402

Tip Distinguishing between 50 and 75 Ohm BNC connectors

BNC connectors are one of the few coaxial connectors that are available in two impedance values of 50 and 75 Ohms. You can distinguish the two types by the absence of dielectric material at the interface of the 75 Ohm version as shown.



Item #	Description	Cable Type	Attachment	1-9	10-24	25-99	100-249	250-499
Digital Grade BNC Connectors for 1505A and 1506A Cable, 75 Ohm								
BAC-UPL2000-D2B	BNC Male	1505A Coax	Crimp	8.50	8.16	7.82	7.48	7.14
BAC-UPL2000-D8B	BNC Male	1506A Plenum Coax	Crimp	8.50	8.16	7.82	7.48	7.14
Telecommunications Grade BNC Connectors for 734 and 735 Cable, 75 Ohm								
BAC-UPL220-025	BNC Male	734 Coax	Crimp	10.50	10.08	9.66	9.24	8.82
BAC-UPL220-026	BNC Male	735 Coax	Crimp	10.50	10.08	9.66	9.24	8.82
Twin BNC Connector - Bayonet Style Coupling Polarized Contacts								
BAC928	Twin BNC	Twinaxial	Clamp	7.25	6.81	6.38	5.95	5.51
BNC, TNC and Type N - Belden 9913 Cable								
Belden 9913 style cable is an RG8/U type cable with low loss performance characteristics. This cable utilizes a semi-solid polyethylene as an insulator along with a solid 10 AWG center conductor to achieve this performance enhancement.								
HPC992	BNC Plug	9913	Crimp	11.00	10.12	9.24	8.36	7.48
HPC993	TNC Plug	9913	Crimp	11.00	10.12	9.24	8.36	7.48
HPC994	Type N Plug	9913	Crimp	11.00	10.12	9.24	8.36	7.48
SMA, BNC and TNC - Belden 7807 Cable								
Belden 7807 cable is an RG58 type cable with low loss performance characteristics. This cable utilizes a gas injected foam HDPE as an insulator along with a solid 17 AWG center conductor to achieve this performance enhancement.								
HPC781	SMA Plug	7807	Crimp	10.50	9.66	8.82	7.98	7.14
HPC782	BNC Plug	7807	Crimp	9.00	8.28	7.56	6.84	6.12
HPC783	TNC Plug	7807	Crimp	9.00	8.28	7.56	6.84	6.12
Panel Mount Receptacle Connectors								
These series of connectors are intended for panel mounting with discrete receptacle terminations. Offered in BNC, RCA, SMA and Type N interfaces with various mounting configurations.								
BAC1501	BNC Male Bulkhead	N/A		2.95	2.71	2.48	2.24	2.01
BAC1503	BNC Female Bulkhead	N/A		2.95	2.71	2.48	2.24	2.01
BAC70A	BNC Female Bulkhead	N/A		2.95	2.71	2.48	2.24	2.01
BAC260	BNC Female, 4 Hole Flange	N/A		2.95	2.71	2.48	2.24	2.01
BAC930	Twin BNC Female Bulkhead	N/A		5.95	5.47	5.00	4.52	4.05
BAC440	RCA Female Insulated Bulkhead	N/A		3.95	3.63	3.32	3.00	2.69
ANF-4000	Type N Female, 4 Hole Flange	N/A		3.69	3.54	3.39	3.14	2.77
BAC16	SMA Female Bulkhead	N/A		4.95	4.55	4.16	3.76	3.37
ARSJ-4000	Reverse Polarity SMA Jack	1" (2.5cm) Flange for PCB		3.49	3.35	3.21	2.97	2.62
Type F Coaxial Connectors, 75 Ohm								
BAC-CFS6U	Type F Male, Indoor	RG6	Crimp	0.99	0.93	0.87	0.81	0.75
BAC529	Type F Male, Indoor/Outdoor	RG6	Crimp	1.25	1.17	1.10	1.03	0.95
BAC-EX6	Type F Male	RG6	Compression	1.50	1.41	1.32	1.23	1.14
BAC-CFS59U	Type F Male, Indoor	RG59	Crimp	0.99	0.93	0.87	0.81	0.75
BAC530	Type F Male, Indoor/Outdoor	RG59	Crimp	1.25	1.17	1.10	1.03	0.95
BAC-EX59	Type F Male	RG59	Compression	1.50	1.41	1.32	1.23	1.14
AFM-1700	Type F Male	Low-Loss 195-Series, RG58	Crimp	3.15	3.02	2.90	2.68	2.36
BAC520	Type F Female	RG59	Crimp	2.79	2.62	2.46	2.29	2.12
BAC535	Type F Female Bulkhead	RG179 / RG187	Crimp	2.50	2.35	2.20	2.05	1.90
RCA Coaxial Connector - Push-On Coupling for 75 Ohm Coaxial Cable								
The RCA connector is the most commonly used connector type found on consumer electronics for both composite and component video as well as audio in some cases.								
BAC700-6	RCA Male	Push-On RG6	Crimp	0.99	0.93	0.87	0.81	0.75
BAC700-59	RCA Male	Push-On RG59	Crimp	0.99	0.93	0.87	0.81	0.75
MCX Coaxial Connectors, 50 Ohm								
This subminiature coaxial connector is widely used in GPS and wireless infrastructure applications. Offered in both straight and right angle configurations with crimp style attachment.								
BAC507	MCX Plug	RG174 / RG188 / RG316	Crimp	4.75	4.46	4.18	3.90	3.61
BAC508	MCX Plug, Right Angle	RG174 / RG188 / RG316	Crimp	5.00	4.70	4.40	4.10	3.80
AMM-1102	MCX Plug	Low-Loss 100-Series	Crimp	3.15	3.02	2.90	2.68	2.36
BAC526	MCX Jack	RG174 / RG188 / RG316	Crimp	5.75	5.40	5.06	4.72	4.37
UHF Connectors, 50 Ohm								
AUM-1700	UHF Male	Low-Loss 195-Series, RG58	Crimp	2.99	2.87	2.75	2.54	2.24
AUM-1402	UHF Male	Low-Loss 400-Series	Crimp	2.99	2.87	2.75	2.54	2.24

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Item #	Description	Cable Type	Attachment	1-9	10-24	25-99	100-249	250-499
MMCX Coaxial Connectors, 50 Ohm								
This microminiaturized connector is widely used in PCB surface mount coaxial interconnect systems in applications such as wireless LAN equipment and GPS.								
BAC509	MMCX Plug	RG174 / RG188 / RG316	Crimp	5.25	4.93	4.62	4.31	3.99
BAC510	MMCX Plug, Right Angle	RG174 / RG188 / RG316	Crimp	5.50	5.17	4.84	4.51	4.18
AMMM-1104	MMCX Plug, Right Angle	Low-Loss 100-Series	Crimp	3.15	3.02	2.90	2.68	2.36
AMMM-1106	MMCX Plug, Straight	Low-Loss 100-Series	Crimp	3.15	3.02	2.90	2.68	2.36
ARMMP-1100	MMCX Plug, Rt. Angle, Rev. Pol	Low-Loss 100-Series	Crimp	3.49	3.35	3.21	2.97	2.62
MC Card Connector, 50 Ohm								
AMCM-1102	MC Card Male	Low-Loss 100-Series	Crimp	3.15	3.02	2.90	2.68	2.36
NMO Connector, 50 Ohm								
AAM1-1700	NMO 3/4" (1.9cm) Hole	Low-Loss 195-Series, RG58	Crimp	3.49	3.35	3.21	2.97	2.62
QMA Connector, 50 Ohm								
AQJ-3700	QMA Jack Bulkhead	Low-Loss 195-Series, RG58	Crimp	7.70	7.39	7.08	6.54	5.78
AQP-1700	QMA Plug Right Angle	Low-Loss 195-Series, RG58	Crimp	6.29	6.04	5.79	5.35	4.72
AQP-1702	QMA Plug	Low-Loss 195-Series, RG58	Crimp	6.00	5.40	4.80	4.20	3.60
SMB Connectors, 50 Ohm								
ASMBP-1100	SMB Plug	Low-Loss 100-Series	Crimp	3.95	3.79	3.63	3.36	2.96
ASMBP-1102	SMB Plug, Right Angle	Low-Loss 100-Series	Crimp	4.75	4.56	4.37	4.04	3.56
ASMBJ-1100	SMB Jack	Low-Loss 100-Series	Crimp	3.49	3.35	3.21	2.97	2.62
FME Connectors, 50 Ohm								
BAC8015	FME Plug	Low-Loss 195-Series, RG58	Crimp	2.95	2.71	2.48	2.24	2.01
AFMEJ-1700	FME Jack	Low-Loss 195-Series, RG58	Crimp	2.95	2.71	2.48	2.24	2.01
ORiNOCO Compatible Connectors, 50 Ohm*								
AAPM-1100	AIProx Male Right Angle	Low-Loss 100-Series	Crimp	3.99	3.83	3.67	3.39	2.99
AAPM-1700	AIProx Male Right Angle	Low-Loss 195-Series, RG58	Crimp	3.49	3.35	3.21	2.97	2.62
Waverider Compatible Connector, 50 Ohm*								
AWM-1700	Waverider Compatible Male	Low-Loss 195-Series, RG58	Crimp	4.19	4.02	3.85	3.56	3.14
Shrouded SMA Connector, 50 Ohm								
ASM-1714	Shrouded SMA Male Rt Angle	Low-Loss 195-Series, RG58	Crimp	3.49	3.35	3.21	2.97	2.62
Sierra Wireless Aircard Compatible Connector, 50 Ohm*								
ASNP-1100	SMA Nano-Plug	Low-Loss 100-Series	Crimp	4.19	4.02	3.85	3.56	3.14

***Note:** See website for additional compatibility information.



Tip *The anatomy of a coaxial connector*

The two main components of a connector that determine the mating type (sex) are the **BODY** and the **PIN**.

Here are two examples of PLUG bodies (aka Male).



This is a **PLUG** body of a typical threaded type connector. Note that the threads are on the inside of the body.



This is a **PLUG** body of a typical bayonet type connector such as a BNC. Note the coupling mechanism on the body.

And these are two examples of JACK bodies (aka Female).



This is a **JACK** body of a typical threaded type connector. Note that the threads are on the outside of the body.



This is a **JACK** body of a typical bayonet type connector such as a BNC. Note the bayonets on the body.



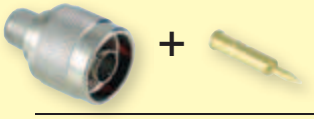
This is a **MALE** pin.



This is a **FEMALE** pin.

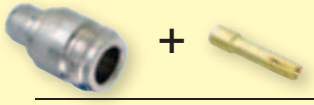
So what makes up the different types of connectors?

Here is a Standard Polarity Plug connector:



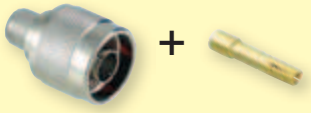
It is made up of a **PLUG BODY** and a **MALE PIN**. Standard polarity plug connectors can also be known as Male Connectors.

Here is a Standard Polarity Jack connector:



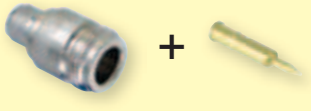
It is made up of a **JACK BODY** and a **FEMALE PIN**. Standard polarity jack connectors can also be known as Female Connectors.

Here is a Reverse Polarity Plug connector:



It is made up of a **PLUG BODY** and a **FEMALE PIN**. The polarity of the pin is reversed, thus making it a Reverse Polarity Plug Connector.

Here is a Reverse Polarity Jack connector:



It is made up of a **JACK BODY** and a **MALE PIN**. Again the polarity of the pin is reversed, thus making it a Reverse Polarity Jack Connector.

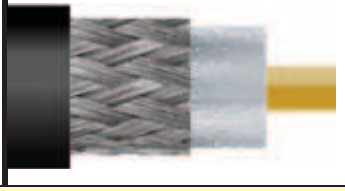
More coaxial connectors are available
See a complete list at
L-com.com/CoaxialConnectors

Some Connectors are sold in 10-Packs.
See website for details.
Adapters are sold individually.

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Tip How do you select the right coaxial cable for your application?

There are a number of coaxial cable styles available today. "RG" style cables were originally designed for military applications but now are extensively used in commercial applications. Low Loss coaxial cables are designed to meet the demands of the wireless communications market. High performance with low signal loss makes them ideal for a wide array of wireless applications. The following coaxial cable selection guide is intended as a general guide to assist you in selecting the right cable for your application.

Cable Type	Impedance	Typical Application	Cable Type	Impedance	Typical Application
RG174/U 	50 Ohm	Transmission of data signals in applications such as LAN/WAN or GPS.	RG179B/U 	75 Ohm	Transmission of a video signal in applications such as security systems where high temperature performance is needed.
RG188A/U 	50 Ohm	Transmission of data signals in applications such as LAN/WAN or GPS in situations where high temperature performance is needed.	RG187/U 	75 Ohm	Transmission of a video signal in applications such as security systems where high temperature performance is needed.
RG316/U 	50 Ohm	Transmission of data signals in applications such as LAN/WAN or GPS in situations where high temperature performance is needed.	100 Series Low Loss 	50 Ohm	Drop-in Low Loss equivalent for RG316/174. Very short radio pigtails/ jumper cables.
RG58C/U 	50 Ohm	Transmission of data signals in applications such as antenna feed cables or Ethernet backbones.	195 Series Low Loss 	50 Ohm	Drop-in Low Loss equivalent for RG58/142. Short antenna and jumper cables.
RG142B/U 	50 Ohm	Transmission of data signals in applications such as antenna feed cables or Ethernet backbones in situations where high temperature performance is needed.	200 Series Low Loss 	50 Ohm	Short antenna cable feeds. Applications requiring easily routed low loss cable.
RG59A/U 	75 Ohm	Transmission of a video or audio signal in applications such as security systems or CATV.	240 Series Low Loss 	50 Ohm	Medium length antenna/jumper cables.
RG59B/U 	75 Ohm	Transmission of a video or audio signal in applications such as security systems or CATV.	400 Series Low Loss 	50 Ohm	Drop-in Low Loss equivalent for RG8/9913. Medium distance antenna feed cables.
RG6/U 	75 Ohm	Transmission of a video or audio signal in applications such as security systems or CATV.	400 Ultra Flex Series Low Loss 	50 Ohm	Applications requiring maximum flexibility and repeated bending/flexing. Drop-in Low Loss equivalent for RG-8/9913.
RG223/U 	50 Ohm	Transmission of data signals in applications such as LAN/WAN or GPS in situations where low signal loss and high shielding performance is needed.	600 Series Low Loss 	50 Ohm	Medium distance base station and cell tower applications.
RG213/U 	50 Ohm	Transmission of data signals in applications such as antenna feed cables in situations where low signal loss and high operating voltage performance is needed.	900DB Series Low Loss 	50 Ohm	Outdoor/direct burial applications, jumper cable assemblies for 1-5/8" & 2-1/4" feeders, medium antenna cable feeds with no jumpers required and long distance base station and cell tower applications.

Note: Images on this page are for reference only and may not be to scale

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We want to help you!
See a complete list of free tips, tutorials and videos at L-com.com/Tips

Anatomy of a Coaxial Connector

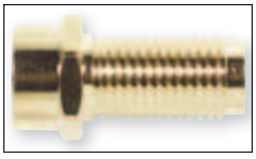
There are a wide variety of coaxial connectors available today. These connectors are offered in numerous interface types and attachment methods. Illustrated below are some common elements and functions shared by most of these coaxial connectors.

Crimp Ring



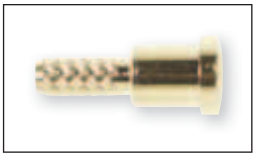
Attachment sleeve to cable outer conductor.

Coupling Body



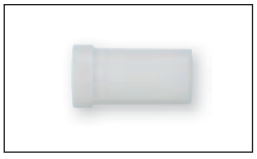
Attachment mechanism to mating connector.

Outer Conductor



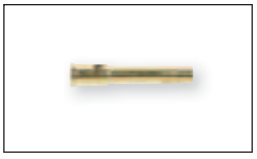
Outer conducting element for signal transmission.

Dielectric Support



Non-conductive spacer between center and outer conductor.

Center Conductor



Center conducting element for signal transmission.

Building Your Own Coaxial Cable Assembly

In order to successfully build your own coaxial cable assembly, you must make the following decisions:

1. Select a cable type

Many parameters come into play in making this decision from electrical performance properties such as impedance, shielding and attenuation to mechanical properties such as diameter, center conductor construction (solid vs stranded) and jacket material. A selection of the most commonly used cable is listed on pages 190 and 191.

2. Select a connector type

Numerous connector interfaces exist such as BNC, TNC, SMA, F or RCA to name just a few. Each has a different application and come in both male and female versions. A selection of the most popular types is listed on pages 183-187.

3. Select an attachment method

In general, there are three basic methods to attach a coaxial connector to a coaxial cable. They are crimp, clamp and twist-on. Each of these methods is illustrated below.

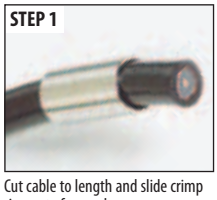
4. Select a tool

If a crimp attachment method was selected then a crimp tool will be needed. The crimp cross reference chart on page 192 will assist you in selecting the correct tool.

Crimp Method:

This is the most common connector attachment method. In this case the cable shield is crimped to the connector using the crimp ring. The connector center conductor is attached to the cable center conductor by crimp or solder.

STEP 1



Cut cable to length and slide crimp ring onto free end.

STEP 2



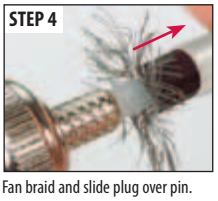
Strip free end with Coaxial Cable Stripper.

STEP 3



Slide pin onto center conductor making sure base of pin meets dielectric. Crimp in place.

STEP 4



Fan braid and slide plug over pin.

STEP 5



Pull crimp sleeve over braid and ring.

STEP 6

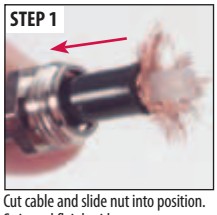


Crimp in place.

Clamp Method:

The clamp method is often used for weather exposure applications or when crimp tools are not available. In this case the cable shield is clamped between the connector body and back nut. The connector center conductor is usually soldered to the cable center conductor.

STEP 1



Cut cable and slide nut into position. Strip and flair braid.

STEP 2



Position braid clamp and crimp or solder pin.

STEP 3



Attach main body to back nut.

Twist-On Method:

This method is most often used in field applications because of it's simplicity and the need for no special tools.

STEP 1



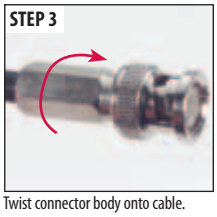
Prepare cable with strip tool.

STEP 2



Position connector body.

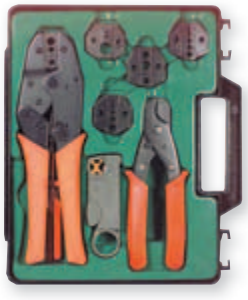
STEP 3



Twist connector body onto cable.

Crimp Tool:

When using a crimp connector, the HT330K tool kit can be a valuable item (page 192). This kit contains dies for all the commonly used crimp sizes. In addition, this kit comes complete with a cable cutter and a rotary cable stripper - helpful tools for building a cable assembly.



Plug or Jack:



A **PLUG** utilizes a center pin = MALE GENDER

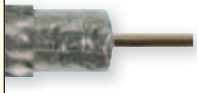


A **JACK** utilizes a center socket = FEMALE GENDER

Solid or Stranded:

Online Video

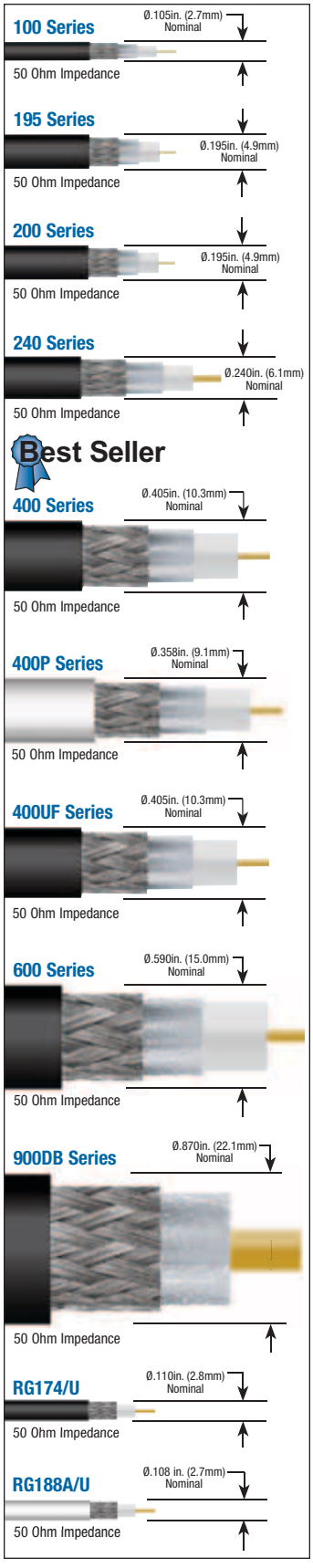
L-com.com/Videos/A19



SOLID center conductor: best attenuation but somewhat stiff.



STRANDED center conductor: more flexible but slightly higher attenuation.



Low-Loss Bulk Coaxial Cable

100 Series Low-Loss Bulk Cable
- Center Conductor: Solid bare copper covered steel
- Shielding: Inner foil 90% coverage + tinned copper braid
- Insulation: Solid polyethylene
- Jacket: PVC
- Operating Temperature: -20°C - +60°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
900	22.8	74.8
1800	33.2	108.8
2500	39.8	130.6

Item #	Description	List
CA-100-FOOT	CA-100, By the Foot (0.3m)	0.39
CA-100-R1K	CA-100, 1000' (304.8m) reel	245.00
CA100W-FOOT	White WBC-100, By the Foot (0.3m)	0.59
CA100W-REEL	White WBC-100, 1000' (304.8m) reel	279.99

195R Series Low-Loss Bulk Cable
- Center Conductor: Solid bare copper
- Shielding: Foil + tinned copper braid (90% coverage)
- Insulation: Physical foam polyethylene (PTFE for Plenum Rated)
- Jacket: Polyvinyl Chloride (CMP Grade for Plenum Rated)
- Operating Temperature: -20°C - +60°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
900	11.1	36.5
1800	16.0	52.5
2500	19.0	62.4
5800	29.9	98.1

Item #	Description	List
CA-195PW-R500	CA195PW Wht Plenum, 500' (152.4m)	320.00
CA-195R-FOOT	CA-195R, By the Foot (0.3m)	0.50
CA-195R-R1K	CA-195R, 1000' (304.8m) reel	250.00
CA-195RW-FOOT	White CA-195RW, By the Foot (0.3m)	0.50
CA-195RW-R1K	White CA-195RW, 1000' (304.8m) reel	299.99
CA195R-REEL	WBC-195R, 1000' reel (304.8m)	349.99

200 Series Low-Loss Bulk Cable
- Center Conductor: Solid copper
- Shielding: Foil + tinned copper braid (90% coverage)
- Insulation: Physical foam polyethylene
- Jacket: Polyethylene
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
900	9.9	32.6
1800	14.2	46.6
2500	16.9	55.4
5800	26.4	86.5

Item #	Description	List
CA-200-R1K	CA-200, 1000' reel (304.8m)	269.99
CA-200-FOOT	CA-200, By the Foot (0.3m)	0.49

240 Series Low-Loss Bulk Cable
- Center Conductor: Solid copper
- Shielding: Foil + tinned copper braid
- Insulation: Physical foam polyethylene
- Jacket: Polyethylene
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
900	7.6	24.8
1800	10.9	35.6
2500	12.9	45.4
5800	20.4	66.8

Item #	Description	List
CA-240-R500	CA-240, 500' reel (152.4m)	200.00
CA-240-FOOT	CA-240, By the Foot (0.3m)	0.56

400 and 400P Series Low-Loss Bulk Cable
- Center Conductor: Copper clad aluminum
- Shielding: Foil + tinned copper braid
- Insulation: Physical foam polyethylene
- Jacket: Polyethylene (Black)
  Kynar for Plenum Rated (White)
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
900	3.9	12.8
1800	5.7	18.6
2500	6.8	22.2
5800	10.8	35.5

Item #	Description	List
CA-400-FOOT	CA-400, By the Foot (0.3m)	0.70
CA-400-R500	CA-400, 500' reel (152.4m)	249.99
CA-400-R1K	CA-400, 1000' reel (304.8m)	499.99
CA400-REEL	WBC-400, 1000' reel (304.8m)	599.95
CA400P-FOOT	WBC-400, Plenum, By the Foot (0.3m)	3.49
CA400P-REEL	WBC-400, Plen., 1000' reel (304.8m)	1999.99

400 Series Ultra Flex Low-Loss Cable
- Center Conductor: Stranded bare copper
- Shielding: Foil + tinned copper braid
- Insulation: Physical foam polyethylene
- Jacket: Black Thermoplastic Elastomer
- Operating Temperature: -40°C - +85°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
900	4.7	15.4
1800	6.8	22.3
2500	8.1	26.6
5800	13.0	42.6

Item #	Description	List
CA400UF-TW-FOOT	TWS-400UF, By the Foot (0.3m)	1.45
CA400UF-TW-R1K	TWS-400UF, 1000' reel (304.8m)	1450.00

600 Series Low-Loss Bulk Cable
- Center Conductor: Solid copper
- Shielding: Foil + tinned copper braid
- Insulation: Physical foam polyethylene
- Jacket: Polyethylene
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
900	2.5	8.2
1800	3.7	12.1
2500	4.4	14.5
5800	7.3	23.8

Item #	Description	List
CA-600-R500	CA-600, 500' reel (152.4m)	556.00
CA-600-R1K	CA-600, 1000' reel (304.8m)	1025.00

900DB Series Low-Loss Bulk Cable
- Center Conductor: BC Tube
- Shielding: Aluminum tape + tinned copper braid
- Insulation: Foam polyethylene
- Jacket: Polyethylene
- Operating Temperature: -40°C - +85°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
900	1.7	5.6
1800	2.5	8.2
2500	2.9	9.8
5800	4.9	16.0

Item #	Description	List
CA900DB-TW-FOOT	Direct Burial, By the Foot (0.3m)	4.50
CA900DB-TW-R1K	Direct Burial, 1000' reel (304.8m)	3900.00

Bulk Coaxial Cable

RG174/U
- Center Conductor: 26 (7x34) AWG bare copper covered steel
- Shielding: Tinned copper braid (90% coverage)
- Insulation: Polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +75°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
100	8.4	27.6
200	12.5	41.0
400	19.0	62.3
1000	34.0	111.5

Item #	Description	List
RG174-100	RG174/U, 100 ft coil (30.5m)	30.00
RG174-500	RG174/U, 500 ft spool (152.4m)	140.00
RG174-1K	RG174/U, 1,000 ft spool (304.8m)	252.00

RG188A/U
- Center Conductor: 26 (7x34) AWG silver coated copper covered steel
- Shielding: Silver coated copper braid (96% shield coverage)
- Insulation: TFE Teflon
- Jacket: White TFE taped
- Operating Temperature: -70°C - +200°C VW-1 vertical flame test compliant

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
100	8.3	27.2
200	12.0	39.4
400	17.5	57.4
1000	29.0	95.1

Item #	Description	List
RG188A-100	RG188A/U, 100 ft coil (30.5m)	97.00
RG188A-500	RG188A/U, 500 ft spool (152.4m)	485.00
RG188A-1K	RG188A/U, 1,000 ft spool (304.8m)	970.00

Note: Spools may contain more than one piece.

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Customer Testimonials
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L-com.com/Testimonials

Bulk Coaxial Cable

RG316/U
- Center Conductor: 26 (7x34) AWG silver coated copper covered steel
- Shielding: Silver coated copper braid (95% shield coverage)
- Insulation: TFE Teflon
- Jacket: Brown FEP
- Operating Temperature: -70°C - +200°C VW-1 vertical flame test compliant

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
100	8.3	27.2
200	12.0	39.4
400	17.5	57.4
1000	29.0	95.1

Item #	Description	List
RG316-100	RG316/U, 100ft (30.5m) coil	75.00
RG316-500	RG316/U, 500ft (152.4m) spool	225.00
RG316-1K	RG316/U, 1,000ft (304.8m) spool	425.00

Note: Spools may contain more than one piece.

RG58C/U
- Center Conductor: 20 (19x32) AWG tinned copper
- Shielding: Tinned copper braid (95% coverage)
- Insulation: Polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +85°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
100	4.9	16.1
200	7.3	23.9
400	11.0	36.1
1000	20.0	65.6

Item #	Description	List
RG58C-100	RG58C/U, 100ft (30.5m) coil	35.00
RG58C-500	RG58C/U, 500ft (152.4m) spool	125.00
RG58C-1K	RG58C/U, 1,000ft (304.8m) spl.	225.50

RG142B/U
- Center Conductor: 18 AWG solid silver coated copper
- Shielding: 2 silver coated copper braids (96% coverage)
- Insulation: TFE Teflon
- Jacket: Brown FEP
- Operating Temperature: -70°C - +200°C VW-1 vertical flame test compliant

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
100	3.9	12.8
200	5.6	18.4
400	8.2	26.9
1000	13.5	44.3

Item #	Description	List
RG142B-100	RG142B/U, 100ft (30.5m) coil	165.00
RG142B-500	RG142B/U, 500ft (152.4m) spool	800.00
RG142B-1K	RG142B/U, 1,000ft (304.8m) spl.	1575.00

Note: Spools may contain more than one piece.

RG59A/U
- Center Conductor: 22 (7x30) AWG bare copper
- Shielding: Bare copper braid (95% coverage)
- Insulation: Foam polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
100	3.0	9.8
200	4.5	14.8
400	6.6	21.7
1000	10.9	35.8

Item #	Description	List
RG59A-100	RG59A/U, 100ft (30.5m) coil	24.95
RG59A-500	RG59A/U, 500ft (152.4m) spool	99.95
RG59A-1K	RG59A/U, 1,000ft (304.8m) spl.	199.95

RG59B/U
- Center Conductor: 22 AWG solid bare copper covered steel
- Shielding: Bare copper braid (95% coverage)
- Insulation: Polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
100	3.4	11.1
200	4.9	16.1
400	7.0	23.0
1000	12.0	39.3

Item #	Description	List
RG59B-100	RG59B/U, 100ft (30.5m) coil	24.95
RG59B-500	RG59B/U, 500ft (152.4m) spool	99.95
RG59B-1K	RG59B/U, 1,000ft (304.8m) spl.	199.95

RG6/U
- Center Conductor: 18 AWG solid bare copper covered steel
- Shielding: Inner foil (100% coverage); Outer, copper braid (60% coverage)
- Insulation: Foam Polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
100	2.1	6.9
200	3.1	10.2
400	4.5	14.8
1000	7.3	23.9

Item #	Description	List
RG6-100	RG6/U, 100ft (30.5m) coil	14.95
RG6-500	RG6/U, 500ft (152.4m) spool	74.95
RG6-1K	RG6/U, 1,000ft (304.8m) spool	169.99

RG62A/U
- Center Conductor: 22 AWG solid bare copper covered steel
- Shielding: Bare copper braid (95% coverage)
- Insulation: Semi-solid polyethylene
- Jacket: Black PVC
- Operating Temperature: -40°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
100	2.7	8.9
200	3.8	12.5
400	5.3	17.4
1000	8.7	28.5

Item #	Description	List
RG62A-100	RG62A/U, 100ft (30.5m) coil	24.14
RG62A-500	RG62A/U, 500ft (152.4m) spool	111.60
RG62A-1K	RG62A/U, 1,000ft (304.8m) spl.	200.00

734 Type DS3-4
- Center Conductor: 20 AWG silver plated solid copper
- Shielding: Inner AL foil 100% + outer braid
- Insulation: Foamed polyethylene
- Jacketing: Polyvinyl chloride (PVC)
- Operating Temperature: -40°C - +75°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
5	.55	1.8
10	.77	2.5
50	1.74	5.7
100	2.49	8.2

Item #	Description	List
C734-100	C734, 100ft (30.5m) coil	53.00
C734-500	C734, 500ft (152.4m) spool	240.00
C734-1K	C734, 1,000ft (304.8m) spool	430.00

735 Type DS3-4
- Center Conductor: 26 AWG silver plated solid copper
- Shielding: Inner AL foil 100% + outer braid
- Insulation: Foamed polyethylene
- Jacketing: Polyvinyl chloride (PVC)
- Operating Temperature: -40°C - +75°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
5	1.10	3.6
10	1.53	5.0
50	3.47	11.4
100	4.95	16.2

Item #	Description	List
C735-100	C735, 100ft (30.5m) coil	44.00
C735-500	C735, 500ft (152.4m) spool	195.00
C735-1K	C735, 1,000ft (304.8m) spool	360.00

1505 Type
- Center Conductor: 20 AWG solid bare copper
- Shielding: Inner foil + 95% tinned copper braid
- Insulation: Gas injected polyethylene
- Jacketing: Polyvinyl chloride (PVC)
- Operating Temperature: -40°C - +75°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
10	.87	2.9
360	4.4	14.5
720	6.5	21.3
1000	7.8	25.6

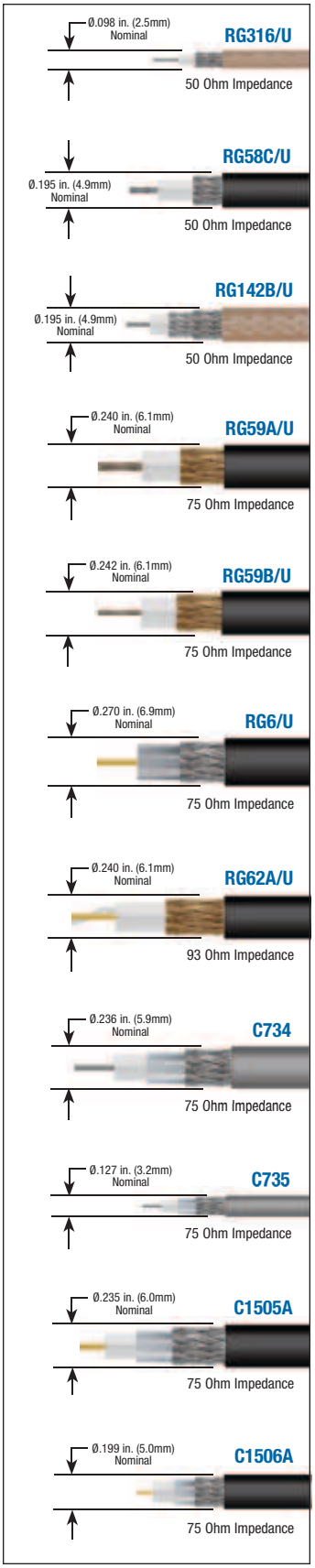
Item #	Description	List
C1505A-100	C1505A 100ft (30.5m) coil	51.00
C1505A-500	C1505A 500ft (152.4m) spool	230.00
C1505A-1K	C1505A 1,000ft (304.8m) spool	420.00

1506 Type
- Center Conductor: 20 AWG solid bare copper
- Shielding: Inner foil + 95% tinned copper braid
- Insulation: Foam FEP
- Jacketing: Flamarrest®
- Operating Temperature: -40°C - +75°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
10	1.0	3.3
360	5.2	17.1
720	7.3	23.9
1000	9.4	30.8

Item #	Description	List
C1506A-100	C1506A 100ft (30.5m) coil	153.00
C1506A-500	C1506A 500ft (152.4m) spool	690.00
C1506A-1K	C1506A 1,000ft (304.8m) spool	1250.00

Lengths may vary ±10% from lengths shown.



Custom design and manufacturing capabilities
Our product design process takes you from concept to production. L-com.com/Custom

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Crimp Tool Cross Reference Chart

Use this chart to find the correct ferrule and center conductor crimp size as well as the recommended economy, deluxe and deluxe kit crimp tool for each of the connector model numbers listed.

If a specific type is not listed, please visit our website at **L-com.com** for the latest information or call our technical support group at **800-343-1455** for assistance.

	CRIMP SIZE		CRIMP TOOL		
CONNECTOR P/N	FERRULE	CENTER COND.	ECONOMY	DELUXE	DELUXE KIT
ATF-3700	0.213	0.068	HT106D	HT301A	HT330K
BAC519	0.213	0.068	HT106D	HT301A	HT330K
BAC522	0.213	0.068	HT106D	HT301A	HT330K
ANF-1700	0.213	0.068	HT106D	HT301A	HT330K
BAC836A-58	0.213	0.068	HT106D	HT301A	HT330K
BAC836A-58P	0.213	0.068	HT106D	HT301A	HT330K
BIF-83	0.231	0.068	HT106D	HT301A	HT330K
BAC523	0.178	0.068	N/A	HT301J	HT330K
BAC526	0.178	0.068	N/A	HT301J	HT330K
BAC527	0.178	0.068	N/A	HT301J	HT330K
BAC528	0.178	0.068	N/A	HT301J	HT330K
BAC836B-74	0.178	0.068	N/A	HT301J	HT330K
BAC893-58	0.213	0.068	HT106D	HT301A	HT330K
BAC893-59	0.255	0.068	HT106D	HT301A	HT330K
BAC908-59	0.255	0.068	HT106D	HT301A	HT330K
BAC934-59	0.255	0.068	HT106D	HT301A	HT330K
BAC706	0.255	0.068	HT106D	HT301A	HT330K
BAC709	0.255	N/A	HT106D	HT301A	HT330K
BAC012	0.324	N/A	HT106H	HT301D	HT330K
BAC027	0.255	0.068	HT106D	HT301A	HT330K
BAC027A	0.255	0.068	HT106D	HT301A	HT330K
BAC028	0.255	0.068	HT106D	HT301A	HT330K
BAC029	0.324	0.068	N/A	HT301D	HT330K
BAC030	0.324	0.255	N/A	HT301D	HT330K
BAC031	0.324	0.255	N/A	HT301D	HT330K
BAC032	0.319	N/A	HT106H	HT301C	HT330K
BAC520	0.255	0.068	HT106D	HT301A	HT330K
BAC836A-59	0.255	0.068	HT106D	HT301A	HT330K

CONNECTOR P/N	FERRULE	CRIMP TOOL	CENTER COND.	CRIMP TOOL
BAC-UPL2000-D2B	0.255	HTS-CT4L & HTS-CD3-21	0.042	HT010-0055
BAC-UPL2000-D8B	0.255	HTS-CT4L & HTS-CD3-21	0.042	HT010-0055

	CRIMP SIZE		CRIMP TOOL		
CONNECTOR P/N	FERRULE	CENTER COND.	ECONOMY	DELUXE	DELUXE KIT
BAC836B-87	0.213	0.068	HT106D	HT301A	HT330K
BAC042	0.319	N/A	HT106H	HT301C	HT330K
BAC02	0.213	N/A	HT106D	HT301A	HT330K
BAC02A	0.128	N/A	N/A	HT301J	HT330K
BAC03	0.213	0.042	N/A	HT301G	HT330K
BAC03A	0.128	0.042	N/A	HT301J	HT330K
BAC04	0.213	0.042	N/A	HT301G	HT330K
BAC05	0.213	0.042	N/A	HT301G	HT330K
BAC05A	0.128	0.042	N/A	HT301J	HT330K
BAC02-G	0.213	N/A	HT106D	HT301A	HT330K
BAC02A-G	0.128	N/A	N/A	HT301J	HT330K
BAC03-G	0.213	0.042	N/A	HT301G	HT330K
BAC03A-G	0.128	0.042	N/A	HT301J	HT330K
BAC06A	0.128	0.042	N/A	HT301J	HT330K
BAC8015	0.213	N/A	HT106D	HT301A	HT330K
BAC525	0.213	N/A	HT106D	HT301A	HT330K
BAC500	0.213	N/A	HT106D	HT301A	HT330K
BAC501	0.213	N/A	HT106D	HT301A	HT330K
BAC502	0.128	0.042	N/A	HT301J	HT330K
BAC503	0.137	N/A	N/A	HT301G	HT330K
BAC-CFS6U	0.324	N/A	HT106H	HTS3162CT	N/A
BAC-CFS59U	0.324	N/A	HT106H	HTS3162CT	N/A
BAC529	0.360	N/A	HT106H	HTS3162CT	N/A
BAC530	0.360	N/A	HT106H	HTS3162CT	N/A
BAC-EX6	Compression	N/A	N/A	HTS-EX	N/A
BAC-EX59	Compression	N/A	N/A	HTS-EX	N/A
BAC700-6	.319	N/A	HT106H	HT301C	HT330K
BAC700-59	.262	N/A	HT106D	HT301A	HT330K

CONNECTOR P/N	FERRULE	CRIMP TOOL	CENTER COND.	CRIMP TOOL
BAC-UPL220-025	0.255	HTS-CT4L & HTS-CD3-11	0.042	HT010-0055
BAC-UPL220-026	0.178	HTS-CT4L & HTS-CD3-11	0.042	HT010-0055


HT106D


HT301A


HT-CRIMP04


HT330K


HT-KIT-01

Item #	Description	1-9	10-24	25-99	100-249	250-499

Economy Crimping Tools - Common Crimp Sizes for Connectors and Center Pins

These heavy-duty crimping tools are economically priced and easy to use. Leverage action produces an enormous force to properly crimp a perfect hex every time. An adjustable cam is added to keep the tool in full conformance with the required tolerance. Tools accept the most popular crimp connector types. HT106D hex sizes are .068", .213" and .255". HT106H hex sizes are .322" and .359".

HT106D	9" Lever Type Coaxial Crimp Tool (.068", .213", .255")	29.95	27.55	25.16	22.76	20.37
HT106H	9" Lever Type Coaxial Crimp Tool (.322", .359")	29.95	27.55	25.16	22.76	20.37

Deluxe Full Cycle Ratchet with Hex Crimping Tools

Your choice of seven similar crimp tools equipped with specific die sets to perform a wide variety of crimping functions to fit your needs.

HT301A	Deluxe Crimp Tool with .256", .213" and .068" Hex Die	31.95	29.39	26.84	24.28	21.73
HT301C	Deluxe Crimp Tool with .319", .256", .213" and .068" Hex Die	39.95	36.75	33.56	30.36	27.17
HT301D	Deluxe Crimp Tool with .324", .256", .213" and .068" Hex Die	39.95	36.75	33.56	30.36	27.17
HT301G	Deluxe Crimp Tool with .255", .213", .137", .100", .069" .043" Hex Die	36.95	33.99	31.04	28.08	25.13
HT301J	Deluxe Crimp Tool with .178", .151", .128", .078", .068" .042" Hex Die	36.95	33.99	31.04	28.08	25.13
HT230A	Deluxe Crimp Tool with .255", .213", .187" and .068" Hex Die	34.95	32.15	29.36	26.56	23.77
HT-CRIMP02	Deluxe Crimp Tool with .028", .039", .047", .100", .128" and .151" Hex Die	24.99	22.49	19.99	17.49	14.99
HT-CRIMP03	Deluxe Crimp Tool with .100", .128" and .429" Hex Die	34.99	31.49	27.99	24.49	20.99
HT-CRIMP04	Deluxe Crimp Tool with .068", .213", .256" and .324" Hex Die	24.99	22.49	19.99	17.49	14.99
HT-CRIMP600	Deluxe Crimp Tool with .610" Hex Die	29.99	26.99	23.99	20.99	17.99

Deluxe Full Cycle Ratchet Crimp Tool Kit

Housed in rugged, high impact cases these handy deluxe ratchet crimp and strip tool kits can satisfy most coaxial crimping needs. These kits include ratchet tool, interchangeable dies, cable cutter and rotary cable stripper. See **L-com.com** for complete kit contents.

HT330K	Deluxe Crimp Tool Kit, for use with RG Type Cable	144.95	133.35	121.76	110.16	98.57
HT-KIT-01	Deluxe Crimp Tool Kit, for use with Low-Loss and RG Type Cable	89.99	86.39	82.79	76.49	67.49

L-com Global Connectivity

More coaxial connectors are available
See a complete list at L-com.com/CoaxialConnectors

Item #	Description	1-9	10-24	25-99	100-249	250-499

Professional Grade Crimp and Compression Tools - for Professional Grade Type F Plugs

Two new ratchet action crimp tools are now offered. Sturdily constructed from high carbon steel ensures long life expectancy. Fully machined crimp cavities ensure accurate crimps every time.

HTS3162CT	Hex Crimp Tool .360" and .470" Sizes	66.50	62.51	58.52	54.53	CALL
HTS-EX	Compression Connector Crimp Tool	79.95	75.15	70.36	65.56	CALL

Easy Strip RG59/6 Coaxial Cable Stripper

A must for anyone working with coaxial cabling. This tool provides a precise industry standard 1/4" (0.6cm) cable prep for RG59 and 6 in seconds. Simply compress the jaw, place the cable into the strip insert, release then spin the tool 360° and you're ready to crimp.

HTS8700ES	CATV Stripper Tool for RG59 / RG6	17.50	16.45	15.40	14.35	CALL
HTS8700RB	10 Replacement Cartridges for RG59 / RG6	54.95	51.65	48.36	45.06	CALL

Type F Installation Kit - Toner, Crimper, Stripper and 40 Plugs for RG59 or RG6 Coaxial Cabling

We've assembled a kit for installers and technicians who want to terminate popular Type F coaxial cabling. Each kit includes 40 professional grade Type F plugs, a cable stripping tool, a connector crimping tool and a pocket toner. There are two kits to choose from, one for RG59 and one for RG6.

TCK59F	Type F Connector Installation Kit for RG59	99.95	93.95	87.96	81.96	75.96
TCK60F	Type F Connector Installation Kit for RG6	99.95	93.95	87.96	81.96	75.96

Rotary Coaxial Cable Strippers - Adjusted to Accurately Prepare Popular Coaxials

Time saving tools to quickly and accurately cut and trim the coaxial jacket, shield and inner insulation in one easy step. Compartment holds hex key to align sensitive socket and adjust blade cut for optimum results. Available in two or three blade configurations.

AT-STRIP-01	Coax Cable Stripper, 2-Blade for 100/174/200/240/316 Series	14.95	14.35	13.75	12.71	11.21
AT-STRIP-02	Coax Cable Stripper, 2-Blade for 100 Series, RG8 / RG11 / RG213 / RG214	14.95	14.35	13.75	12.71	11.21
HT302B	Coax Cable Stripper, 2-Blade for RG58 / RG59 / RG62	14.95	13.75	12.56	11.36	10.17
HT3021	Set of 4 Replacement Blades for HT302	4.95	4.55	4.16	3.76	3.37
HT312A	Coax Cable Stripper, 3-Blade for RG59 / RG62 / RG6	19.95	18.35	16.76	15.16	13.57
HT312B	Coax Cable Stripper, 3-Blade for RG58 / RG59 / RG62	19.95	18.35	16.76	15.16	13.57
HT312S	Coax Cable Stripper, 3-Blade for RG213 / RG11 / RG8	19.95	18.35	16.76	15.16	13.57
HT312X	Coax Cable Stripper, 3-Blade for 3.5 to 5mm dia.	19.95	18.35	16.76	15.16	13.57
HT3121	Set of 4 Replacement Blades for HT312	4.95	4.55	4.16	3.76	3.37

Rotary Coaxial Cable Strippers for 400/600 Series

Quickly and accurately cut and trim the coaxial jacket, shield and inner insulation in two easy steps. Just insert the un-stripped end of the coax cable into the tool, spin clockwise 4 or 5 times, then insert into other end of tool, spin clockwise 4 or 5 times again and pull off the unwanted portion.

HT-STRIP400-1	Coax Cable Stripper for 400-Series Cable	54.99	52.79	50.59	46.74	41.24
HT-STRIP600-1	Coax Cable Stripper for 600-Series Cable	54.99	52.79	50.59	46.74	41.24
HT-STRIP-B1	Replacement Blades for HT-STRIP400-1/HT-STRIP600-1	7.20	6.91	6.62	6.12	5.40

USA Made Crimping Tool Accepts Dies for Coaxial or Modular Type Terminations

The HTS2100 crimp tool accepts a variety of dies that allow it to crimp modular or coaxial terminations. This top of the line tool is more compact than competitors' models allowing easier crimping ability for people with smaller hands. Molded grips and carbon steel frame is conservatively rated at 50,000+ crimps. This tool also accepts modular die sets listed on page 60.

HTS2100	Crimp Tool Body, accepts any HTS2100 Die Set	59.95	58.75	57.55	56.35	55.15
HTS2100-51	RG58 / RG59 Die Set, use for BNCs and TNCs, .068, .213 and .255 hex	36.00	33.84	31.68	29.52	CALL
HTS2100-53	RG58 / RG59 Die Set, use for SMAs, .042 square, .213 and .255 hex	36.00	33.84	31.68	29.52	CALL
HTS2100-54	RG58 / RG59 Plenum Die Set, use for Plenum BNCs, .042 square, .068, .190 & .213 hex	36.00	33.84	31.68	29.52	CALL
HTS2100-60	RG174 Die Set, use for BNCs and SMAs, .068 and .178 hex	36.00	33.84	31.68	29.52	CALL

Weatherproofing Tape

HT-TAPE01	3M® Self-Healing Weatherproofing Tape	20.99	20.15	19.31	18.47	17.63
HT-TAPE104	COAX-SEAL #104 Hand Moldable Plastic Weatherproofing Tape	3.49	3.35	3.21	2.97	2.62
HT-TAPE105	COAX-SEAL #105 Hand Moldable Plastic Weatherproofing Tape	32.00	30.72	29.44	27.20	24.00
HT-TAPE106	COAX-SEAL #106 Hand Moldable Plastic Weatherproofing Tape	42.50	40.80	39.10	36.13	31.88

Item #	Description	List Price

Fluke Pocket Toner® NX1

Test for continuity and short circuits on coaxial cables in one easy step. Basic professional coaxial testing does not get any more compact and simple as PTNX1. The PTNX1 version features lightweight aluminum construction, a standard AAA battery, and new dual buzzers that audibly indicate continuity at both ends of the test cable. Like all Pocket Toner® NX test tools, the PTNX1 is 100% low voltage protected so connecting it to live low voltage systems will not damage the tool. **As an authorized Fluke reseller, we can bid on RFQs for any Fluke part numbers. Contact us to request a non-obligatory quote!**

PTNX1	Fluke Pocket Toner NX1	33.00

Fluke Pocket Toner® NX2

The individual PTNX2 is for the technician that works primarily with coaxial cable that wants a powerful but super-compact tool to fit in his or her pocket. In addition to testing for continuity and short circuits PTNX2 is packed with advanced features like indication of AC or DC voltage, 50-75 Ohm terminators and auto shut-off to conserve battery life. PTNX2 instantly displays all test results on an easy to read 8-segment LED display as well as giving audible feedback at both ends of the test cable. Like all Pocket Toner® NX test tools, the NX2 is 100% low voltage protected so connecting it to live low voltage systems will not damage the tool. **As an authorized Fluke reseller, we can bid on RFQs for any Fluke part numbers. Contact us to request a non-obligatory quote!**

PTNX2	Fluke Pocket Toner NX2	43.00

Professional Grade 8 Point Center Pin Crimp Tool

This professional grade tool makes pin crimping a breeze. Featuring a multipoint design which has proven to be one of the most reliable attachment methods. Designed for use with the BAC-UPL Series plugs.

HT010-0055	8 Point Center Pin Crimp Tool	182.40

HTS-CT4L Professional Crimp Tool Accepts Dies for Coaxial Hex Dies

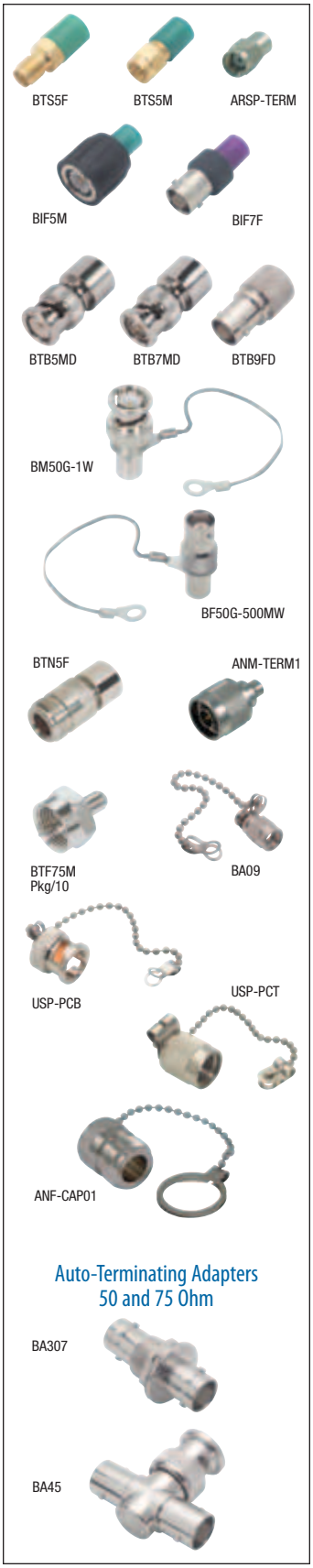
An ergonomic design makes this a tool of choice for professionals. A comfortable, high leverage handle minimizes fatigue. A precision ratchet mechanism assures full cycle crimping. Dies can be easily interchanged with a phillips or flat blade screwdriver.

HTS-CT4L	Professional Crimp Tool Frame	135.00
HTS-CD3-11	734/735 Hex Crimp Die (.255", .178")	95.50
HTS-CD3-21	1505/1506 Hex Crimp Die (.255", .290")	135.00



Helpful videos
How-to videos help with some of today's popular product applications. L-com.com/Tips

L-com® Global Connectivity



Item #	Description	Color	1-9	10-24	25-99	100-249	250-499

SMA Coaxial Line Terminators - Match Impedances of the Unused Port or Cable End

BTS5F	SMA Terminator, Female, 50 Ohms	Green	6.95	6.39	5.84	5.28	4.73
BTS5M	SMA Terminator, Male, 50 Ohms	Green	6.95	6.39	5.84	5.28	4.73
ARSP-TERM	SMA Reverse Polarity Terminator, Male, 0-6 GHz (50 Ohms)		5.25	5.04	4.83	4.46	3.94

BNC Line Terminators - Fully Insulated, Select Impedance to Match Coaxial Cables

Terminators are generally used at the far end of the line. Resistance should match characteristic impedance of the coaxial line, so no reflections or standing waves are present when the signal enters. All terminators listed are rated at 0.5 watt. Fully insulated male versions include Black hood cover as shown. Color coded body to match resistance.

BIF5M	BNC Terminator, Male, use with RG58 (50 Ohms)	Green	4.95	4.55	4.16	3.76	3.37
BIF7M	BNC Terminator, Male, use with RG59 (75 Ohms)	Violet	4.95	4.55	4.16	3.76	3.37
BIF9M	BNC Terminator, Male, use with RG62 (93 Ohms)	White	4.95	4.55	4.16	3.76	3.37
BIF5F	BNC Terminator, Female, use with RG58 (50 Ohms)	Green	3.95	3.63	3.32	3.00	2.69
BIF7F	BNC Terminator, Female, use with RG59 (75 Ohms)	Violet	3.95	3.63	3.32	3.00	2.69
BIF9F	BNC Terminator, Female, use with RG62 (93 Ohms)	White	3.95	3.63	3.32	3.00	2.69

Deluxe BNC and Type N Terminators - Machined Metal Construction with Full Shielding

These deluxe terminators offer a machined body versus a plastic one. Two models also available with grounding cable.

BTB5MD	BNC Terminator, Male, use with RG58 (50 Ohms)	4.95	4.55	4.16	3.76	3.37
BTB5FD	BNC Terminator, Female, use with RG58 (50 Ohms)	4.95	4.55	4.16	3.76	3.37
BTB7MD	BNC Terminator, Male, use with RG59 (75 Ohms)	4.95	4.55	4.16	3.76	3.37
BTB7FD	BNC Terminator, Female, use with RG59 (75 Ohms)	4.95	4.55	4.16	3.76	3.37
BTB9MD	BNC Terminator, Male, use with RG62 (93 Ohms)	4.95	4.55	4.16	3.76	3.37
BTB9FD	BNC Terminator, Female, use with RG62 (93 Ohms)	4.95	4.55	4.16	3.76	3.37
BM50G-1W	BNC Terminator, Male with Ground Cable (50 Ohms)	5.95	5.47	5.00	4.52	4.05
BF50G-500MW	BNC Terminator, Female with Ground Cable (50 Ohms)	6.50	5.98	5.46	4.94	4.42
BTN5F	Type N Terminator, Female, use with RG213 and RG58 (50 Ohms)	6.95	6.39	5.84	5.28	4.73
ANM-TERM1	Type N Terminator, Male, 0-6 GHz (50 Ohms)	7.99	7.67	7.35	6.79	5.99

Type F 75 Ohm Terminators - Simple Design Minimizes RF Reflections

Also known as dummy loads, terminators are an essential component in the proper termination of unused outputs of line splitters and amplifiers. Sold in packages of 10.

BTF75M	Type F 75 Ohm Terminator, Pkg/10	4.95	4.55	4.16	3.76	3.37

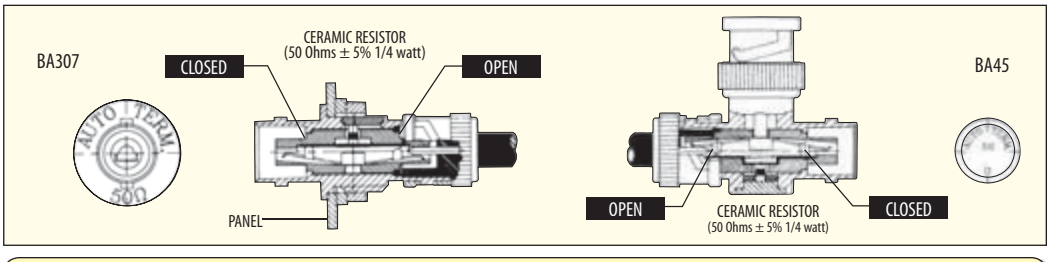
Deluxe Chained Protective Caps

BA09	Protective Cap for SMA Female, with Chain	4.95	4.55	4.16	3.76	3.37
USP-PCB	Protective Cap for BNC Female, with Chain	2.95	2.77	2.60	2.42	2.24
USP-PCT	Protective Cap for TNC Female, with Chain	2.95	2.77	2.60	2.42	2.24
ANM-CAP01	Protective Cap for Type N / UHF Female, with Chain	4.95	4.55	4.16	3.76	3.37
ANF-CAP01	Protective Cap for Type N / UHF Male, with Chain	4.95	4.55	4.16	3.76	3.37
ASF-CAP01	Protective Cap for SMA Male, with Chain	4.95	4.55	4.16	3.76	3.37

Auto-Terminating Bulkhead or T Adapter - Does Not Need Terminator on Open End

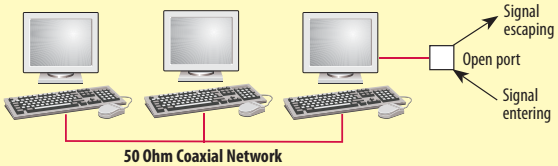
Any rack panel with half inch diameter D-holes will accept either the BA307 or BA307-75 BNC auto-terminating bulkhead adapters. They save the cost and nuisance of using separate terminators. Panels with 16 or 32 D-holes are listed on page 223. Also available are the BA45 and BA45-75 (F-M-F) T adapters, equipped with internal 50 or 75 Ohm auto-terminators.

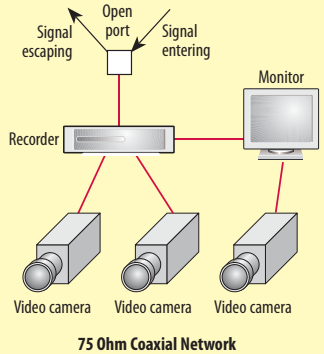
BA307	BNC Auto-Terminating (F-F) Bulkhead Adapter, 50 Ohm	6.95	6.39	5.84	5.28	4.73
BA307-75	BNC Auto-Terminating (F-F) Bulkhead Adapter, 75 Ohm	6.95	6.39	5.84	5.28	4.73
BA45	BNC Auto-Terminating (F-M-F) T Adapter, 50 Ohm	8.55	7.87	7.18	6.50	5.81
BA45-75	BNC Auto-Terminating (F-M-F) T Adapter, 75 Ohm	8.55	7.87	7.18	6.50	5.81



Tip ***Why use an auto terminating adapter?***

In today's complex audio, video, data world coaxial cables are used to interconnect various devices. Many times a coaxial cable will not be connected to anything causing an open port which allows signals to escape. This can possibly interfere with an adjacent device and allow signals to enter the network as interference. The use of an auto terminating adapter eliminates this problem by automatically terminating the open port any time a connecting device is disconnected. This eliminates the need to attach a separate terminator which is often lost or forgotten.

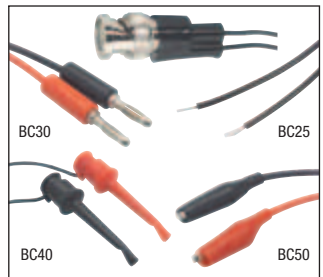


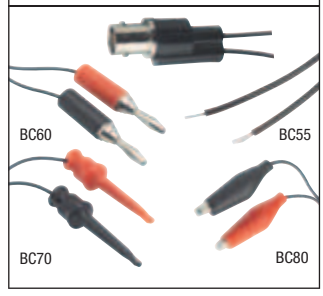


L-com Global Connectivity

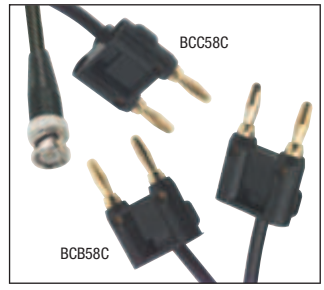
Latest new products
See our latest new products at
L-com.com/NewProducts

Item #	Description	1-9	10-24	25-99	100-249	250-499
BNC Test Leads and Adapters - Your Most Useful Laboratory Accessory Items						
Here's an opportunity to purchase quality test lead and adapter accessories for your lab. For use primarily with BNC connectors and dual banana plugs which are the most popular in the lab.						
BC25	Test Cable, BNC Male / 6" (15.2cm) Leads with Tinned Ends	3.25	2.99	2.73	2.47	2.21
BC30	Test Cable, BNC Male / 6" (15.2cm) Leads with Banana Plugs	4.75	4.37	3.99	3.61	3.23
BC40	Test Cable, BNC Male / 6" (15.2cm) Leads with Test Clips	5.00	4.70	4.40	4.10	3.80
BC50	Test Cable, BNC Male / 6" (15.2cm) Leads with Alligator Clips	4.95	4.55	4.16	3.76	3.37
BC55	Test Cable, BNC Female / 6" (15.2cm) Leads with Tinned Ends	3.25	2.99	2.73	2.47	2.21
BC60	Test Cable, BNC Female / 6" (15.2cm) Leads with Banana Plugs	4.75	4.37	3.99	3.61	3.23
BC70	Test Cable, BNC Female / 6" (15.2cm) Leads with Test Clips	4.95	4.55	4.16	3.76	3.37
BC80	Test Cable, BNC Female / 6" (15.2cm) Leads with Alligator Clips	4.95	4.55	4.16	3.76	3.37
BC2720	Test Adapter, BNC Male / Dual Binding Posts	5.45	5.01	4.58	4.14	3.71
BC2730	Test Adapter, BNC Female / Dual Binding Posts	5.45	5.01	4.58	4.14	3.71
BC2710	Test Adapter, BNC Female / Dual Banana Plugs	4.95	4.55	4.16	3.76	3.37
Solder Cup Banana Plugs - Red or Black, Accepts up to 16 AWG Wires						
BC030R	Solder Type Banana Plug, Red	1.35	1.24	1.13	1.03	0.92
BC030B	Solder Type Banana Plug, Black	1.35	1.24	1.13	1.03	0.92
Coaxial Test Cables - With BNC and Dual Banana Plugs, Choice of Lengths						
These test cables use the most popular 50 Ohm RG58C coaxial cable. Choice of two series as shown.						
BCC58C-1	Test Cable, BNC Male / Dual Banana, 1.0ft (0.3m)	14.50	13.92	13.34	12.76	12.18
BCC58C-2	Test Cable, BNC Male / Dual Banana, 2.0ft (0.6m)	15.25	14.64	14.03	13.42	12.81
BCC58C-3	Test Cable, BNC Male / Dual Banana, 3.0ft (0.9m)	16.00	15.36	14.72	14.08	13.44
BCC58C-4	Test Cable, BNC Male / Dual Banana, 4.0ft (1.2m)	16.75	16.08	15.41	14.74	14.07
BCC58C-5	Test Cable, BNC Male / Dual Banana, 5.0ft (1.5m)	17.50	16.80	16.10	15.40	14.70
BCB58C-1	Test Cable, Dual Banana / Dual Banana, 1.0ft (0.3m)	14.50	13.92	13.34	12.76	12.18
BCB58C-2	Test Cable, Dual Banana / Dual Banana, 2.0ft (0.6m)	15.25	14.64	14.03	13.42	12.81
BCB58C-3	Test Cable, Dual Banana / Dual Banana, 3.0ft (0.9m)	16.00	15.36	14.72	14.08	13.44
BCB58C-4	Test Cable, Dual Banana / Dual Banana, 4.0ft (1.2m)	16.75	16.08	15.41	14.74	14.07
BCB58C-5	Test Cable, Dual Banana / Dual Banana, 5.0ft (1.5m)	17.50	16.80	16.10	15.40	14.70
Dual Banana Plug - Easy Connection to Coaxial Cable or Discrete Wires						
This dual banana plug allows easy connection to coaxial cable with an outer diameter of .220 in. (0.6cm) or less. Screw terminals allow termination without soldering. Gold plated.						
BP125209	Dual Banana Plug for Coax or Wires	2.95	2.71	2.48	2.24	2.01
BNC/Banana/Binding Post Adapter Kit - What You Need to Mate Any Test Cable						
This kit contains 1 each BNC female and BNC male to dual binding posts, BNC female to dual banana plugs and a pair of BNC gender changers M-M and F-F. Provided in a 7 compartment plastic box (2 spares). Assortment price represents a cost savings over the purchase of individual units. Save even more when purchased in multiple lots.						
BC2700K	5 Piece BNC / Dual Banana Adapter Kit	19.95	18.75	17.56	16.36	15.16

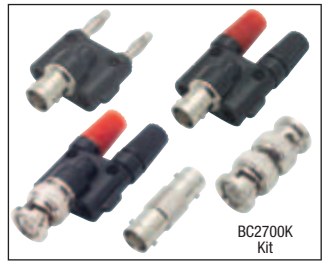






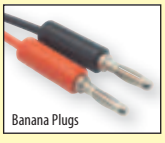






Tip *What are the differences between various laboratory test leads?*

The common feature of test leads used in a laboratory environment is ease of connection and disconnection since most attachments are temporary in nature and are often being changed. Below is a list of some of the most common test leads found in a lab.



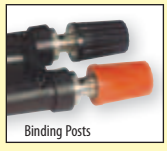
Banana Plugs
A high-quality plug and socket for speaker cable. The banana plug is pushed into the socket, the spring-like protrusions on the prong make a snug fit.



Alligator Clips
A spring-loaded clip with serrated jaws, often used to make temporary electrical connections.



Test Clips
Used in many probing applications, test clips can be quickly attached to bare wires or other conducting features.



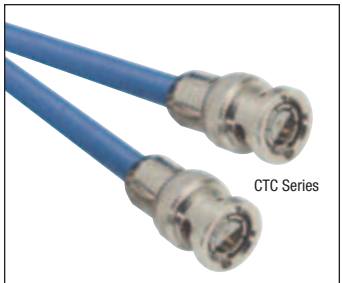
Binding Posts
Typically used in an audio application, it features a threaded collar for gripping bare wires.

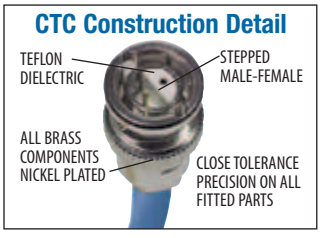


BNC Connector
A commonly used coaxial interface for audio, video and networking applications that provides a secure connection. Coupling is achieved utilizing mating post on the jack and a spring loaded coupling nut on the plug. A simple quarter turn of the coupling nut completes the mating process.

RoHS status information
listed online for every product.
L-com.com/RoHS

L-com Global Connectivity

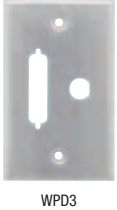





WPC1


WPC2


WPC10


WPD3


BAC1501


BAC1503


BAC930



BAC440


BAC260


ANF-4000

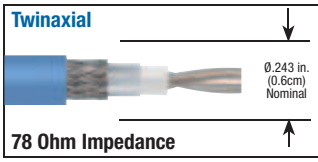

BAC70A


BAC16

Item #	Description	1-9	10-24	25-99	100-249	250-499

Twinaxial BNC Cables - Feature Polarized/Stepped Keyway and Crimp Design

This Twin BNC cable series accommodates the need for low level signal patching and balanced line applications. Fittings have polarized, stepped keyways that look like, but do not match traditional BNC coaxial connectors. Twin BNC connectors are constructed of machined brass with a non-tarnish nickel finish and gold plated contacts.



Twinaxial
- Center Conductors: 20 (7x28) AWG tinned copper
- Shielding: Tinned copper braid + foil (100% coverage)
- Insulation: Polyethylene
- Jacket: Blue PVC
- Operating Temperature: -20°C - +80°C

NOMINAL ATTENUATION		
MHz	db/100ft	db/100m
50	5.0	16.4
100	7.5	24.6
200	11.0	36.1
400	16.0	52.5

CTC-1	78 Ohm Twinaxial Cable, Twin BNC Male / Male, 1.0ft (0.3m)	44.00	42.24	40.48	38.72	36.96
CTC-2	78 Ohm Twinaxial Cable, Twin BNC Male / Male, 2.0ft (0.6m)	45.00	43.20	41.40	39.60	37.80
CTC-3	78 Ohm Twinaxial Cable, Twin BNC Male / Male, 3.0ft (0.9m)	47.00	45.12	43.24	41.36	39.48
CTC-5	78 Ohm Twinaxial Cable, Twin BNC Male / Male, 5.0ft (1.5m)	51.00	48.96	46.92	44.88	42.84
CTC-7.5	78 Ohm Twinaxial Cable, Twin BNC Male / Male, 7.5ft (2.3m)	55.00	52.80	50.60	48.40	46.20
CTC-10	78 Ohm Twinaxial Cable, Twin BNC Male / Male, 10.0ft (3.0m)	59.00	56.64	54.28	51.92	49.56

Stainless Steel Wall Plates - Unbreakable and Offer An Enhanced Appearance

Wall plates that accept a variety of termination devices are found to be useful by many installers. Wall plates also provide a more organized accommodation to your day-to-day cabling needs. Furthermore, stainless steel gives a commercial appearance that is sometimes more acceptable in today's business office environment. The variety we offer fills most installation needs.

WPC1	Stainless Wall Plate, One 0.5" (1.3cm) dia. D-hole	1.95	1.83	1.72	1.60	1.48
WPC2	Stainless Wall Plate, Two 0.5" (1.3cm) dia. D-holes	2.25	2.11	1.98	1.85	1.71
WPC10	Stainless Wall Plate, One 0.75" (1.9cm) dia. D-hole	1.95	1.83	1.72	1.60	1.48
WPD3	Stainless Wall Plate, One DB25 Opening and One 0.5" (1.3cm) dia. D-hole	2.60	2.44	2.29	2.13	1.98

Panel Mount Receptacle Connectors

These series of connectors are intended for panel mounting with discrete receptacle terminations. Offered in BNC, RCA and Type N interfaces with various mounting configurations.

BAC1501	BNC Male Bulkhead	2.95	2.71	2.48	2.24	2.01
BAC1503	BNC Female Bulkhead	2.95	2.71	2.48	2.24	2.01
BAC930	BNC Female Bulkhead	5.95	5.47	5.00	4.52	4.05
BAC440	RCA Female Insulated Bulkhead	3.95	3.63	3.32	3.00	2.69
BAC260	BNC Female, 4 Hole Flange	2.95	2.71	2.48	2.24	2.01
ANF-4000	Type N Female, 4 Hole Flange	3.69	3.54	3.39	3.14	2.77
BAC70A	BNC Female Bulkhead	2.95	2.71	2.48	2.24	2.01
BAC16	SMA Female Bulkhead	4.95	4.55	4.16	3.76	3.37

Deluxe Coaxial Adapter Kit

This deluxe adapter kit features a universal coupling which allows interchangeable connections between all 30 individual interfaces resulting in 108 possible combinations. Supplied in a zippered storage case that is ideal for portable use.

BAK300	Deluxe Coaxial Adapter Kit	125.00	120.00	115.00	110.00	105.00

Premium Coaxial Adapter Kit

L-com's premium adapter kit features a universal coupling which allows interchangeable connections between all 40 individual interfaces resulting in 192 possible combinations. Supplied in a zippered storage case that is ideal for portable use.

BAK400	Premium Coaxial Adapter Kit	150.00	144.00	138.00	132.00	126.00

SMA Interseries Adapter Kit

This handy adapter kit offers a super value versus buying parts separately. Kit contains SMA interseries adapters all stored in a multi compartment storage case. Adapters are machined and plated for corrosion resistance and long life.

BA1200K	SMA Interseries Adapter Kit	49.95	46.95	43.96	40.96	37.96

BNC Within Series Adapter Kit

This useful adapter kit offers a super value to buying parts separately. Kit includes various BNC adapters as well as 3 port tees and right angle configurations all stored in a multi compartment storage case. Adapters are machined and plated for corrosion resistance and long life.

BA1700K	BNC Adapter Kit	39.95	37.55	35.16	32.76	30.36

BNC Interseries Adapter Kit

This handy adapter kit offers a super value versus buying parts separately. This kit includes various BNC interseries adapters all stored in a multi compartment storage case. Adapters are machined and plated for corrosion resistance and long life.

BA1800K	BNC Interseries Adapter Kit	39.95	37.55	35.16	32.76	30.36


BAK300


BAK400


BA1200K


BA1700K


BA1800K

L-com Global Connectivity

Certifications
A complete company documentation package is available for download. L-com.com/Profile

T1 Communication Systems - A Brief Primer

The T1 line is the most widely used switched digital communication circuit used in America today. T1s are used for connecting phone and computer networks to public switched network infrastructures. Each T1 is equivalent to 24 64Kbps communication channels. Each channel utilizes two 100 Ohm shielded twisted pairs; one for transmit (TX) and one for receive (RX). Some T1 equipment uses two 75 Ohm coaxial connections for the TX and RX channels. Baluns are used to bridge the gap between 75 Ohm coaxial and 100 Ohm twisted pair.

Note: An E1 circuit is the European equivalent of the American T1. The infrastructure uses 120 Ohm shielded twisted pairs so 75/120 baluns would be used in European applications.

T1 - E1 Differences

	NAME	#64Kbps CHANNELS	TWISTED PAIR TYPE	COAXIAL TYPE
USA Standard	T1	24	2 100 Ohms Shielded Twisted Pair (RJ45s Typical)	75 Ohms (BNC Typical)
European Standard	E1	32	2 120 Ohms Shielded Twisted Pair (RJ45s Typical)	75 Ohms (BNC, 1.6/5.6 Typical)

Item #	Description	List Price

75 to 100 or 120 Ohm Transmission Baluns for Telecommunication Applications

75/100 and 75/120 Ohm impedance matching baluns allow users to use inexpensive shielded twisted pair cabling in place of expensive coaxial cabling. They are especially useful in telecommunication applications for patching at the distribution frame. Units meet CCITT Recommendation G703 and are great for American or European applications. Choose from multiple coaxial connector types as well as Krone IDC or compression IDC termination styles.

ACK2010	75 to 120 Ohm Balun, 1.6/5.6 Plug (Screw Type) / Krone IDC	27.00
ACK3010	75 to 120 Ohm Balun, 1.6/5.6 Jack / Krone IDC	27.00
ACK8010	75 to 120 Ohm Balun, BNC Plug / Krone IDC	26.00
ACK9010	75 to 120 Ohm Balun, BNC Bulkhead Jack / Krone IDC	26.00
ACC2060	75 to 120 Ohm Balun, 1.6/5.6 Plug (Screw Type) / Compression IDC	33.00
ACC3060	75 to 120 Ohm Balun, 1.6/5.6 Jack / Compression IDC	33.00
ACC8060	75 to 120 Ohm Balun, BNC Plug / Compression IDC	33.00

Mini Transmission Balun Electrical Specifications

- Impedance Match: 75 to 100 or 120 Ohms ± 10 measured at 70 MHz.
- Insertion Loss: <0.9 dB, range measured 0.2 MHz to 70 MHz.
- Return Loss: <15 dB, range measured 1 MHz to 70 MHz.

75 to 120 Ohm E1 Dual Balun - Two BNC Jacks to RJ45

This unit allows bi-directional connectivity between coaxial and twisted pair E1 cabling. Dual 75 Ohm coaxial connections connect to shielded 120 Ohm RJ45 jack for easy connecting to terminated UTP/STP cabling.

ACD201	Dual BNC Jack / RJ45 Balun, 75 to 120 Ohm	59.95

E1 Balun Panel - Twenty Dual Baluns in a 19" (48.3cm) Rack Panel

This ACD2201 series offers an innovative way of converting multiple E1 connections from 75 Ohm coax to 120 Ohm twisted pair. Each dual balun circuit is built into a balun card which is then mounted to the rack panel. Balun cards are available with dual BNC connectors and one shielded RJ45 connector. Extra cards can be purchased for easy replacement in the future.

ACD2201	20 Port Balun Panel, Dual BNC Jack / RJ45, 75 to 120 Ohm	895.00
ACD2201-CARD	Balun Card, Dual BNC Jack / RJ45, 75 to 120 Ohm	59.95

Item #	Description	1-9	10-24	25-99	100-249	250-499

Active Video Baluns

These active video baluns are perfect for long distance CCTV applications. Features include built in surge protection, screw terminals for quick installation, and 1,000 meter run support. These active video baluns require a power source (not included).

AVB-BNC-F	Active Video Balun, Female	49.95	48.95	47.95	46.95	45.95
AVB-BNC-M	Active Video Balun, Male	49.95	48.95	47.95	46.95	45.95

Tool-less CCTV Video Balun

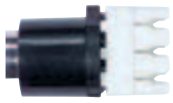
The TL-VB-BNC is perfect for on the spot field installations or repairs. The tool-less design makes termination easy and fast. Supports full color video up to 2,200 feet over Cat5 cabling.

TL-VB-BNC	Tool-less CCTV Video Balun, BNC Male	12.95	12.69	12.43	12.17	11.91

Tip ***What is a balun?***

The term balun (pronounced "bal-un") is derived from the function of the passive device that converts between a BALanced and UNbalanced electrical signal. Common types of baluns convert 100 Ohm twisted pair (balanced) to 75 Ohm coaxial (unbalanced).

ACK SERIES
KRONE IDC TYPE



Terminate wires with punch down tool

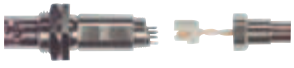

ACK2010


ACK3010


ACK8010


ACK9010

ACC SERIES
COMPRESSION IDC TYPE



Terminate wires with wrench or pliers

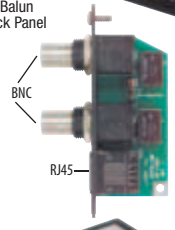

ACC2060


ACC3060


ACC8060


ACD201
E1 Dual BNC
Jack to RJ45


ACD2201
E1 Balun
Rack Panel



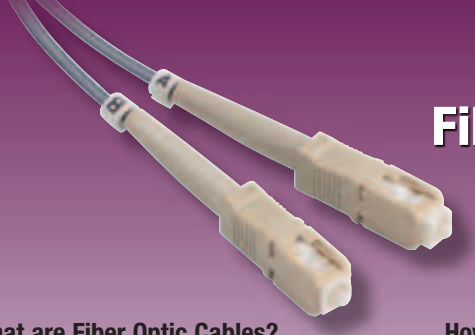
ACD2201-CARD


AVB-BNC-M


TL-VB-BNC

Customer Testimonials
Read why others choose L-com.
L-com.com/Testimonials

L-com® Global Connectivity



Fiber Optic Tutorial

What are Fiber Optic Cables?

Fiber optic cables consist of a glass core and cladding, buffer coating, Kevlar strength members and a protective outer jacket. Fiber optic cables use light pulses as opposed to electrical signals to send information.

How are Fiber Optic Cables used?

Fiber optic cables can be plugged into communications equipment and patch panels to provide a physical connection to a network or device.

Where are Fiber Optic Cables used?

Fiber optic cables are used by commercial business, governments, the military and many other industries for myriad applications involving the transmission of voice, video and data.

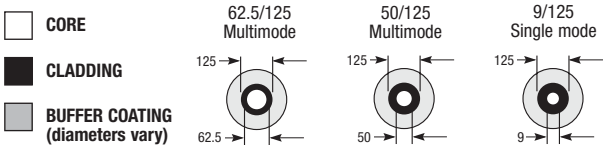
A Quick Lesson In Optical Transmission

Where copper cabling uses electricity to transmit signals from one end to another, fiber optics use light pulses to accomplish the same purpose. The fiber cable is made of a transparent glass core surrounded by a mirror like covering called cladding. Light passes through the cable, bouncing off the cladding until it reaches the other end of the fiber channel - this is called total internal reflection.

In today's high speed networks, Graded Index Multimode fiber or Step Index Single mode fiber is used to improve light transmission over long distances. Multimode fiber has a larger core and is typically used in short runs within buildings. Single mode fiber has a smaller core and is used in long distance runs typically outside between buildings.

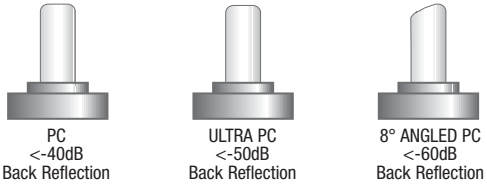
Fiber Core Sizes

Fiber specifications list the core and cladding diameters as a ratio. The top example shows the ratio of core to cladding as 62.5/125 microns. Below, the ratio is 9/125 microns. Multimode fiber is commonly 62.5/125 or 50/125 micron, single mode fiber is commonly 9/125 micron.



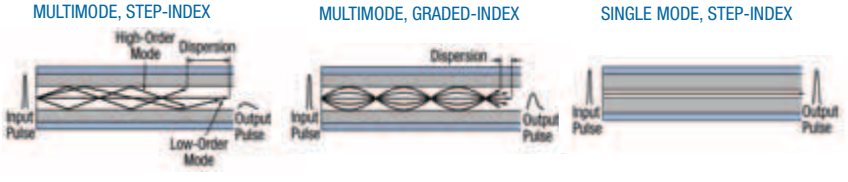
Polish Types / Typical Back Reflection

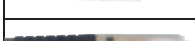
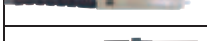
In Single mode applications the amount of back reflection on assemblies can be critical. L-com offers both PC and APC Single mode assemblies off the shelf. UPC finishes are available by custom order.



Fiber Glass Types

Stepped Index Fiber relies on the reflection of light whereas in Graded Index Fiber, the properties of the glass are changed in layers to "bend" the light as it travels down the cable. This reduces modal dispersion within the cable allowing for higher transmission rates.



	Connector Type	Coupling Type	Fiber Type	Polish	Number Fibers	Typical Applications	Comment
	**ST**	Twist On	Single mode/Multimode	PC, UPC	1	LANS	Keyed
	**FC**	Screw On	Single mode/Multimode	PC, UPC, APC	1	Datacom, Telecommunications	Keyed
	**SC**	Snap On	Single mode/Multimode	PC, UPC, APC	1	CATV, Test Equipment	Keyed
	**LC**	Snap On RJ45 Style	Single mode/Multimode	PC, UPC, APC	1	Gigabit Ethernet, Video Multimedia	Small Form Factor (SFF)
	**MU**	Push/Pull	Single mode/Multimode	PC, UPC, APC	1	Medical, Military	Small Form Factor (SFF)
	**MT-RJ**	Snap On RJ45 Style	Single mode/Multimode	N/A	2	Gigabit Ethernet, Asynchronous Transmission Mode (ATM)	One of Mating Connectors must have Alignment Pins
	**MPO (MTP)**	Push/Pull	Single mode/Multimode	N/A	4, 8, 12, 16, 24	Active Device Transceiver, Interconnections for O/E Modules	One of Mating Connectors must have Alignment Pins

L-com Global Connectivity

Learn all about fiber connectors

Online Video

L-com.com/Videos/A21

For more useful information go to.... L-com.com/Resources

Shop at L-com.com or call 1-800-343-1455 • E-mail: sales@L-com.com • Fax: 978-689-9484

Bulk Fiber Optic Cabling - Sold by the Meter

L-com offers the most popular types of Simplex, Duplex, Breakout and Distribution cable. All available from stock in 1 meter intervals with a 25 meter minimum unless otherwise noted. Other cabling types are available by request. Jacket color of bulk cable may vary. **Note:** Bulk cable custom lengths are non-returnable.

How do fiber optics work?
Online Video
L-com.com/videos/A15

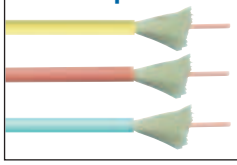
SIMPLEX CABLE

- Number of Fibers: 1
- Jacket Type: OFNR rated
- Operating Temperature: -40°C - +85°C
- Indoor Use

Simplex cable is commonly used for short point to point patching.

Item #	Description	Outer Jacket	Price/m
FOBOS1S-M	SM, 9/125 bulk simplex cable	Yellow	1.11
FOBOM1S-M	OM1, 62.5/125 bulk simplex cable	Orange	1.31
FOBOM2S-M	OM2, 50/125 bulk simplex cable	Orange	1.26
OM4 100 Gig Rated Simplex Bulk Cable, 50 Meter Minimum			
FOBOM4S-M	OM4, 100 Gig Rated 50/125 bulk simplex cable	Aqua	1.88

Simplex Cable



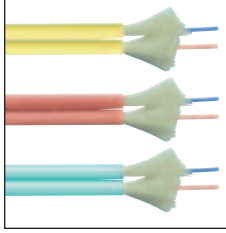
DUPLEX ZIPCORD

- Number of Fibers: 2
- Jacket Type: Riser - OFNR rated
- Operating Temperature: -40°C - +85°C
- Zipcord can easily be split apart to create 2 simplex cords
- Indoor Use

Zipcord is the common choice for building short duplex fiber runs or patch cords. It is the most flexible choice.

Item #	Description	Outer Jacket	Price/m
FOBOS1Z-M	SM, 9/125 bulk duplex cable	Yellow	1.73
FOBOM1Z-M	OM1, 62.5/125 bulk duplex cable	Orange	1.86
FOBOM2Z-M	OM2, 50/125 bulk duplex cable	Orange	1.87
FOBOM3Z-M	OM3, 10 Gig rated 50/125 bulk duplex cable	Aqua	2.23
OM4 100 Gig Rated Duplex Bulk Cable, 50 Meter Minimum			
FOBOM4Z-M	OM4, 100 Gig rated 50/125 bulk duplex cable	Aqua	2.80

Duplex Zipcord



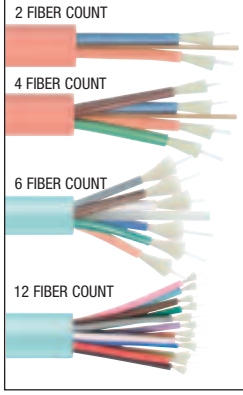
BREAKOUT CABLE

- Number of Fibers: 2, 4, 6, 12. Other fiber counts available by custom request
- Jacket: Plenum - OFNP rated
- Operating Temperature: -40°C - +85°C
- Indoor or Outdoor Use

Breakout cable is user friendly because each fiber has its own jacket and aramid strength elements. Due to this, each fiber is extremely strong and rugged. Breakout fiber is also very stiff compared to distribution or zipcord.

Item #	Description	Outer Jacket	Price/m
FOBOS1IB2-M	2 count SM, 9/125 bulk breakout cable	Yellow	4.95
FOBOS1IB4-M	4 count SM, 9/125 bulk breakout cable	Yellow	5.55
FOBOS1IB6-M	6 count SM, 9/125 bulk breakout cable	Yellow	7.63
FOBOS1IB12-M	12 count SM, 9/125 bulk breakout cable	Yellow	12.30
FOBOM1IB2-M	2 count OM1, 62.5/125 bulk breakout cable	Orange	5.33
FOBOM1IB4-M	4 count OM1, 62.5/125 bulk breakout cable	Orange	6.30
FOBOM1IB6-M	6 count OM1, 62.5/125 bulk breakout cable	Orange	8.80
FOBOM1IB12-M	12 count OM1, 62.5/125 bulk breakout cable	Orange	15.50
FOBOM2IB2-M	2 count OM2, 50/125 bulk breakout cable	Orange	5.20
FOBOM2IB4-M	4 count OM2, 50/125 bulk breakout cable	Orange	7.60
FOBOM2IB6-M	6 count OM2, 50/125 bulk breakout cable	Orange	10.18
FOBOM2IB12-M	12 count OM2, 50/125 bulk breakout cable	Orange	16.80
FOBOM3IB2-M	2 count OM3, 10 Gig Rated 50/125 bulk breakout cable	Aqua	6.78
FOBOM3IB4-M	4 count OM3, 10 Gig Rated 50/125 bulk breakout cable	Aqua	8.40
FOBOM3IB6-M	6 count OM3, 10 Gig Rated 50/125 bulk breakout cable	Aqua	12.15
FOBOM3IB12-M	12 count OM3, 10 Gig Rated 50/125 bulk breakout cable	Aqua	20.95
OM4 100 Gig Rated Breakout Bulk Cable, 155 Meter Minimum			
FOBOM4IB2-M	2 count OM4, 100 Gig Rated 50/125 bulk breakout cable	Aqua	7.40
FOBOM4IB4-M	4 count OM4, 100 Gig Rated 50/125 bulk breakout cable	Aqua	9.58
FOBOM4IB6-M	6 count OM4, 100 Gig Rated 50/125 bulk breakout cable	Aqua	15.03
FOBOM4IB12-M	12 count OM4, 100 Gig Rated 50/125 bulk breakout cable	Aqua	22.00

Breakout Cable



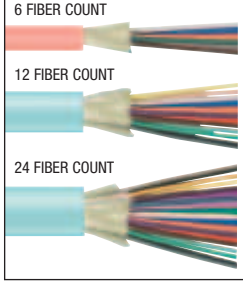
DISTRIBUTION CABLE

- Number of Fibers: 6, 12, 24. Other fiber counts available by custom request
- Jacket: Plenum - OFNP rated
- Operating Temperature: 0°C - +80°C

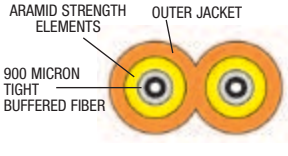
Distribution cable is more compact and flexible than breakout since each fiber is only protected by the 900 micron buffer.

Item #	Description	Outer Jacket	Price/m
FOBSNGID6-M	6 count SM, 9/125 indoor bulk distribution cable	Yellow	2.75
FOBSNGID12-M	12 count SM, 9/125 indoor bulk distribution cable	Yellow	6.95
FOBSNGD24-M	24 count SM, 9/125 indoor/outdoor bulk distribution cable	Yellow	11.25
FOBOM1ID6-M	6 count OM1, 62.5/125 indoor bulk distribution cable	Orange	4.05
FOBOM1ID12-M	12 count OM1, 62.5/125 indoor bulk distribution cable	Orange	7.20
FOB625D24-M	24 count OM1, 62.5/125 indoor/outdoor bulk distribution cable	Orange	16.88
FOBOM2ID6-M	6 count OM2, 50/125 indoor bulk distribution cable	Orange	3.95
FOBOM2ID12-M	12 count OM2, 50/125 indoor bulk distribution cable	Orange	6.35
FOB500D24-M	24 count OM2, 50/125 indoor/outdoor bulk distribution cable	Orange	17.65
FOBOM3ID6-M	6 count OM3, 10 Gig Rated 50/125 indoor bulk distribution cable	Aqua	8.45
FOBOM3ID12-M	12 count OM3, 10 Gig Rated 50/125 indoor bulk distribution cable	Aqua	15.25
FOB501D24-M	24 count OM3, 10 Gig Rated 50/125 indoor/outdoor bulk dist. cable	Aqua	25.95
OM4 100 Gig Rated Distribution Cable, 155 Meter Minimum			
FOBOM4ID6-M	6 count OM4, 100 Gig Rated 50/125 indoor bulk distribution cable	Aqua	10.45
FOBOM4ID12-M	6 count OM4, 100 Gig Rated 50/125 indoor bulk distribution cable	Aqua	18.45

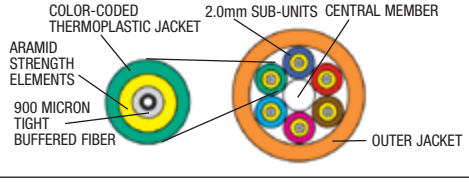
Distribution Cable



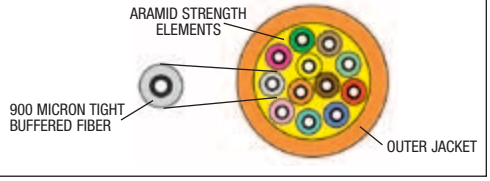
Duplex Zipcord



Breakout Cable



Distribution Cable



NOTE:
Cable measurements in meters. 1m = 3.28 ft.
Custom lengths are non-returnable.

L-com Global Connectivity

CONNECTOR LEGEND

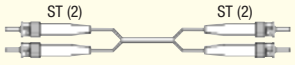

ST Connector


SC Connector

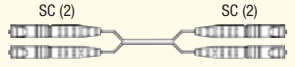

FC Connector


Clipped LC Connector

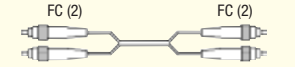
FODSTC-XX
• Dual ST Connectors



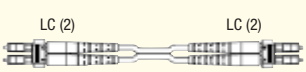
FODSC-XX
• Dual SC Connectors



FODFC-XX
• Dual FC Connectors

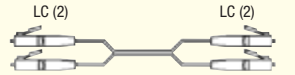


FODLC-CL-XX
• Dual LC Clipped Connectors

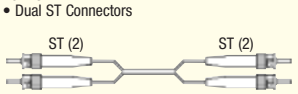


You can have custom fiber cables in as little as 48 hours.
CALL 1-800-343-1455 NOW!

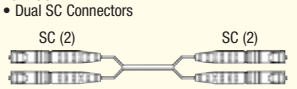
FODZLC-XX
• Dual LC Connectors



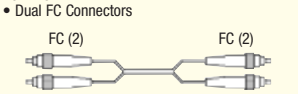
FODZST-XX
• Dual ST Connectors



FODZSC-XX
• Dual SC Connectors



FODZFC-XX
• Dual FC Connectors



Item #	Description	1-9	10-24	25-99	100-249	250-499

62.5/125

L-com's multimode fiber optic patch cords and adapter cords utilize OFNR Riser Rated jackets. All cables are 100% optically tested and utilize a PC polish. Custom lengths and other connector types are available. All cable measurements are in meters. 1m = 3.28 ft.

Dual ST to Dual ST Duplex Patch Cords, Multimode Fiber with OFNR Jacket

FODSTC-01	MM Fiber Cable, Dual ST / Dual ST, 1.0m	16.00	15.04	14.08	13.12	12.16
FODSTC-02	MM Fiber Cable, Dual ST / Dual ST, 2.0m	17.25	16.21	15.18	14.15	13.11
FODSTC-03	MM Fiber Cable, Dual ST / Dual ST, 3.0m	18.50	17.39	16.28	15.17	14.06
FODSTC-04	MM Fiber Cable, Dual ST / Dual ST, 4.0m	19.75	18.56	17.38	16.20	15.01
FODSTC-05	MM Fiber Cable, Dual ST / Dual ST, 5.0m	21.00	19.74	18.48	17.22	15.96
FODSTC-10	MM Fiber Cable, Dual ST / Dual ST, 10.0m	27.25	25.61	23.98	22.35	20.71
FODSTC-15	MM Fiber Cable, Dual ST / Dual ST, 15.0m	33.50	31.49	29.48	27.47	25.46
FODSTC-20	MM Fiber Cable, Dual ST / Dual ST, 20.0m	39.75	37.36	34.98	32.60	30.21
FODSTC-25	MM Fiber Cable, Dual ST / Dual ST, 25.0m	46.00	43.24	40.48	37.72	34.96
FODSTC-30	MM Fiber Cable, Dual ST / Dual ST, 30.0m	52.25	49.11	45.98	42.85	39.71
FODSTC-35	MM Fiber Cable, Dual ST / Dual ST, 35.0m	58.50	54.99	51.48	47.97	44.46
FODSTC-40	MM Fiber Cable, Dual ST / Dual ST, 40.0m	64.75	60.86	56.98	53.10	49.21
FODSTC-45	MM Fiber Cable, Dual ST / Dual ST, 45.0m	71.00	66.74	62.48	58.22	53.96

Dual SC to Dual SC Duplex Patch Cords, Multimode Fiber with OFNR Jacket

FODSC-01	MM Fiber Cable, Dual SC / Dual SC, 1.0m	16.00	15.04	14.08	13.12	12.16
FODSC-02	MM Fiber Cable, Dual SC / Dual SC, 2.0m	17.75	16.68	15.62	14.56	13.49
FODSC-03	MM Fiber Cable, Dual SC / Dual SC, 3.0m	18.50	17.39	16.28	15.17	14.06
FODSC-04	MM Fiber Cable, Dual SC / Dual SC, 4.0m	19.75	18.56	17.38	16.20	15.01
FODSC-05	MM Fiber Cable, Dual SC / Dual SC, 5.0m	21.00	19.74	18.48	17.22	15.96
FODSC-10	MM Fiber Cable, Dual SC / Dual SC, 10.0m	27.25	25.61	23.98	22.35	20.71
FODSC-15	MM Fiber Cable, Dual SC / Dual SC, 15.0m	33.50	31.49	29.48	27.47	25.46
FODSC-20	MM Fiber Cable, Dual SC / Dual SC, 20.0m	39.75	37.36	34.98	32.60	30.21
FODSC-25	MM Fiber Cable, Dual SC / Dual SC, 25.0m	46.00	43.24	40.48	37.72	34.96
FODSC-30	MM Fiber Cable, Dual SC / Dual SC, 30.0m	52.25	49.11	45.98	42.85	39.71
FODSC-35	MM Fiber Cable, Dual SC / Dual SC, 35.0m	58.50	54.99	51.48	47.97	44.46
FODSC-40	MM Fiber Cable, Dual SC / Dual SC, 40.0m	64.75	60.86	56.98	53.10	49.21
FODSC-45	MM Fiber Cable, Dual SC / Dual SC, 45.0m	71.00	66.74	62.48	58.22	53.96

Dual FC to Dual FC Duplex Patch Cords, Multimode Fiber with OFNR Jacket

FODFC-01	MM Fiber Cable, Dual FC / Dual FC, 1.0m	18.75	17.63	16.50	15.38	14.25
FODFC-02	MM Fiber Cable, Dual FC / Dual FC, 2.0m	20.00	18.80	17.60	16.40	15.20
FODFC-03	MM Fiber Cable, Dual FC / Dual FC, 3.0m	21.25	19.97	18.70	17.43	16.15
FODFC-04	MM Fiber Cable, Dual FC / Dual FC, 4.0m	22.50	21.15	19.80	18.45	17.10
FODFC-05	MM Fiber Cable, Dual FC / Dual FC, 5.0m	23.75	22.32	20.90	19.48	18.05

Dual LC to Dual LC Clipped Duplex Patch Cords, Multimode Fiber with OFNR Jacket

FODLC-CL-01	MM Fiber Cable, Dual Clipped LC / Dual Clipped LC, 1.0m	20.00	18.80	17.60	16.40	15.20
FODLC-CL-02	MM Fiber Cable, Dual Clipped LC / Dual Clipped LC, 2.0m	21.00	19.74	18.48	17.22	15.96
FODLC-CL-03	MM Fiber Cable, Dual Clipped LC / Dual Clipped LC, 3.0m	22.00	20.68	19.36	18.04	16.72
FODLC-CL-04	MM Fiber Cable, Dual Clipped LC / Dual Clipped LC, 4.0m	23.00	21.62	20.24	18.86	17.48
FODLC-CL-05	MM Fiber Cable, Dual Clipped LC / Dual Clipped LC, 5.0m	24.00	22.56	21.12	19.68	18.24
FODLC-CL-10	MM Fiber Cable, Dual Clipped LC / Dual Clipped LC, 10.0m	29.00	27.26	25.52	23.78	22.04

62.5/125

L-com utilizes a Riser Rated OFNR Low Smoke Zero Halogen (LSZH) jacket and all cables come standard with a PC polish. UPC polish available as a custom as well as custom lengths and connector combinations.

Dual LC to Dual LC Duplex Patch Cords, Multimode Fiber with LSZH Jacket

FODZLC-01	MM LSZH Fiber Cable, Dual LC / Dual LC, 1.0m	36.50	34.31	32.12	29.93	27.74
FODZLC-02	MM LSZH Fiber Cable, Dual LC / Dual LC, 2.0m	38.00	35.72	33.44	31.16	28.88
FODZLC-03	MM LSZH Fiber Cable, Dual LC / Dual LC, 3.0m	39.50	37.13	34.76	32.39	30.02
FODZLC-04	MM LSZH Fiber Cable, Dual LC / Dual LC, 4.0m	41.00	38.54	36.08	33.62	31.16
FODZLC-05	MM LSZH Fiber Cable, Dual LC / Dual LC, 5.0m	42.50	39.95	37.40	34.85	32.30

Dual ST to Dual ST Duplex Patch Cords, Multimode Fiber with LSZH Jacket

FODZST-01	MM LSZH Fiber Cable, Dual ST / Dual ST, 1.0m	14.75	13.86	12.98	12.10	11.21
FODZST-02	MM LSZH Fiber Cable, Dual ST / Dual ST, 2.0m	16.25	15.27	14.30	13.33	12.35
FODZST-03	MM LSZH Fiber Cable, Dual ST / Dual ST, 3.0m	17.75	16.68	15.62	14.56	13.49
FODZST-04	MM LSZH Fiber Cable, Dual ST / Dual ST, 4.0m	19.25	18.09	16.94	15.79	14.63
FODZST-05	MM LSZH Fiber Cable, Dual ST / Dual ST, 5.0m	20.75	19.50	18.26	17.02	15.77

Dual SC to Dual SC Duplex Patch Cords, Multimode Fiber with LSZH Jacket

FODZSC-01	MM LSZH Fiber Cable, Dual SC / Dual SC, 1.0m	14.75	13.86	12.98	12.10	11.21
FODZSC-02	MM LSZH Fiber Cable, Dual SC / Dual SC, 2.0m	16.25	15.27	14.30	13.33	12.35
FODZSC-03	MM LSZH Fiber Cable, Dual SC / Dual SC, 3.0m	17.75	16.68	15.62	14.56	13.49
FODZSC-04	MM LSZH Fiber Cable, Dual SC / Dual SC, 4.0m	19.25	18.09	16.94	15.79	14.63
FODZSC-05	MM LSZH Fiber Cable, Dual SC / Dual SC, 5.0m	20.75	19.50	18.26	17.02	15.77

Dual FC to Dual FC Duplex Patch Cords, Multimode Fiber with LSZH Jacket

FODZFC-01	MM LSZH Fiber Cable, Dual FC / Dual FC, 1.0m	17.50	16.45	15.40	14.35	13.30
FODZFC-02	MM LSZH Fiber Cable, Dual FC / Dual FC, 2.0m	19.00	17.86	16.72	15.58	14.44
FODZFC-03	MM LSZH Fiber Cable, Dual FC / Dual FC, 3.0m	20.50	19.27	18.04	16.81	15.58
FODZFC-04	MM LSZH Fiber Cable, Dual FC / Dual FC, 4.0m	22.00	20.68	19.36	18.04	16.72
FODZFC-05	MM LSZH Fiber Cable, Dual FC / Dual FC, 5.0m	23.50	22.09	20.68	19.27	17.86

For other lengths and/or connector combinations please use our Product Configurator on our website L-com.com or contact our Sales or Customer Team. No minimum order requirements!

L-com Global Connectivity

Custom design and manufacturing capabilities
Our product design process takes you from concept to production. L-com.com/Custom

Item #	Description	1-9	10-24	25-99	100-249	250-499

62.5/125

L-com's multimode fiber optic patch cords and adapter cords utilize OFNR Riser Rated jackets. All cables are 100% optically tested and utilize a PC polish. Custom lengths and other connector types are available. All cable measurements are in meters. 1m = 3.28 ft.

Dual FC to Dual ST Duplex Adapter Cords, Multimode Fiber with OFNR Jacket

FODFC-ST-01	MM Fiber Cable, Dual FC / Dual ST, 1.0m	17.25	16.21	15.18	14.15	13.11
FODFC-ST-02	MM Fiber Cable, Dual FC / Dual ST, 2.0m	18.50	17.39	16.28	15.17	14.06
FODFC-ST-03	MM Fiber Cable, Dual FC / Dual ST, 3.0m	19.75	18.56	17.38	16.20	15.01
FODFC-ST-04	MM Fiber Cable, Dual FC / Dual ST, 4.0m	21.00	19.74	18.48	17.22	15.96
FODFC-ST-05	MM Fiber Cable, Dual FC / Dual ST, 5.0m	22.25	20.91	19.58	18.25	16.91

Dual FC to Dual SC Duplex Adapter Cords, Multimode Fiber with OFNR Jacket

FODFC-SC-01	MM Fiber Cable, Dual FC / Dual SC, 1.0m	17.25	16.21	15.18	14.15	13.11
FODFC-SC-02	MM Fiber Cable, Dual FC / Dual SC, 2.0m	18.50	17.39	16.28	15.17	14.06
FODFC-SC-03	MM Fiber Cable, Dual FC / Dual SC, 3.0m	19.75	18.56	17.38	16.20	15.01
FODFC-SC-04	MM Fiber Cable, Dual FC / Dual SC, 4.0m	21.00	19.74	18.48	17.22	15.96
FODFC-SC-05	MM Fiber Cable, Dual FC / Dual SC, 5.0m	22.25	20.91	19.58	18.25	16.91

Dual FC to Dual LC Duplex Adapter Cords, Multimode Fiber with OFNR Jacket

FODFC-LC-01	MM Fiber Cable, Dual FC / Dual LC, 1.0m	24.50	23.03	21.56	20.09	18.62
FODFC-LC-02	MM Fiber Cable, Dual FC / Dual LC, 2.0m	25.75	24.20	22.66	21.12	19.57
FODFC-LC-03	MM Fiber Cable, Dual FC / Dual LC, 3.0m	27.00	25.38	23.76	22.14	20.52
FODFC-LC-04	MM Fiber Cable, Dual FC / Dual LC, 4.0m	28.25	26.55	24.86	23.17	21.47
FODFC-LC-05	MM Fiber Cable, Dual FC / Dual LC, 5.0m	29.50	27.73	25.96	24.19	22.42

Dual ST to Dual SC Duplex Adapter Cords, Multimode Fiber with OFNR Jacket

FODST-SC-01	MM Fiber Cable, Dual ST / Dual SC, 1.0m	16.00	15.04	14.08	13.12	12.16
FODST-SC-02	MM Fiber Cable, Dual ST / Dual SC, 2.0m	17.25	16.21	15.18	14.15	13.11
FODST-SC-03	MM Fiber Cable, Dual ST / Dual SC, 3.0m	18.50	17.39	16.28	15.17	14.06
FODST-SC-04	MM Fiber Cable, Dual ST / Dual SC, 4.0m	19.75	18.56	17.38	16.20	15.01
FODST-SC-05	MM Fiber Cable, Dual ST / Dual SC, 5.0m	21.00	19.74	18.48	17.22	15.96
FODST-SC-10	MM Fiber Cable, Dual ST / Dual SC, 10.0m	27.25	25.61	23.98	22.35	20.71
FODST-SC-15	MM Fiber Cable, Dual ST / Dual SC, 15.0m	33.50	31.49	29.48	27.47	25.46
FODST-SC-20	MM Fiber Cable, Dual ST / Dual SC, 20.0m	39.75	37.36	34.98	32.60	30.21

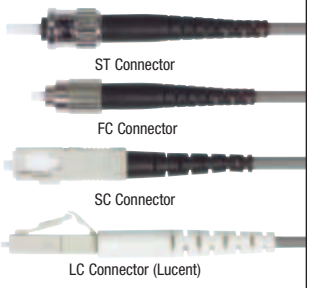
Dual ST to Dual LC Duplex Adapter Cords, Multimode Fiber with OFNR Jacket

FODST-LC-01	MM Fiber Cable, Dual ST / Dual LC, 1.0m	24.25	22.79	21.34	19.89	18.43
FODST-LC-02	MM Fiber Cable, Dual ST / Dual LC, 2.0m	25.50	23.97	22.44	20.91	19.38
FODST-LC-03	MM Fiber Cable, Dual ST / Dual LC, 3.0m	26.75	25.14	23.54	21.94	20.33
FODST-LC-04	MM Fiber Cable, Dual ST / Dual LC, 4.0m	28.00	26.32	24.64	22.96	21.28
FODST-LC-05	MM Fiber Cable, Dual ST / Dual LC, 5.0m	29.25	27.49	25.74	23.99	22.23

Dual SC to Dual LC Duplex Adapter Cords, Multimode Fiber with OFNR Jacket

FODSC-LC-01	MM Fiber Cable, Dual SC / Dual LC, 1.0m	22.25	20.91	19.58	18.25	16.91
FODSC-LC-02	MM Fiber Cable, Dual SC / Dual LC, 2.0m	23.50	22.09	20.68	19.27	17.86
FODSC-LC-03	MM Fiber Cable, Dual SC / Dual LC, 3.0m	24.75	23.26	21.78	20.30	18.81
FODSC-LC-04	MM Fiber Cable, Dual SC / Dual LC, 4.0m	26.00	24.44	22.88	21.32	19.76
FODSC-LC-05	MM Fiber Cable, Dual SC / Dual LC, 5.0m	27.25	25.61	23.98	22.35	20.71

CONNECTOR LEGEND



ST Connector

FC Connector

SC Connector

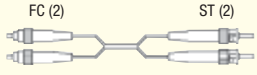
LC Connector (Lucent)

What do the numbers mean?

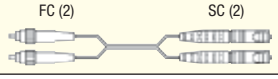
Online Video

L-com.com/Videos/A15

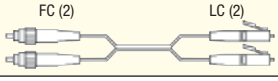
FODFC-ST-XX
• Dual FC and Dual ST Connectors



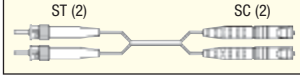
FODFC-SC-XX
• Dual FC and Dual SC Connectors



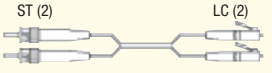
FODFC-LC-XX
• Dual FC and Dual LC Connectors



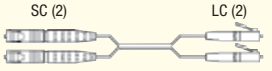
FODST-SC-XX
• Dual ST and Dual SC Connectors



FODST-LC-XX
• Dual ST and Dual LC Connectors



FODSC-LC-XX
• Dual SC and Dual LC Connectors



You can have custom fiber cables in as little as 48 hours.
CALL 1-800-343-1455 NOW!

Tip *Multimode, Single mode, Laser Optimized ... What does it all mean?*

In today's world of fiber optics many choices are available when choosing fiber optic cable types. Depending on the type of fiber cable and transceiver specification, different distances are supported per technology (i.e. 100Base FX, 1 Gigabit, 10 Gigabit etc.)

Size of the fiber core, bandwidth requirements and transceiver wavelengths (i.e. 850m, 1550nm) are some of the considerations when designing a network with fiber.

The chart below outlines some common specifications for fiber optic cables including bandwidth and typical maximum distances.

Always check the manufacturer's transceiver specifications for the equipment you are buying fiber optic cables for.

100 Mbps Ethernet over Fiber		
	Bandwidth (MHz/km) 850nm/1300nm	Typical Distance
62.5/125	200/500	2km
50/125	500/500	2km
	1310nm/1550nm	
9/125	>100K Gigahertz	100km

1 Gig Ethernet over Fiber		
	Bandwidth (MHz/km) 850nm/1300nm	Typical Distance
62.5/125	200/500	220m
50/125	500/500	550m
	1310nm/1550nm	
9/125	>100K Gigahertz	70km

10 Gig Ethernet over Fiber		
	Bandwidth (MHz/km) 850nm/1300nm	Typical Distance
62.5/125	200/500	35m
50/125	500/500	65m
50/125 Laser Optimized	2000/500	300m
	1310nm/1550nm	
9/125	>100K Gigahertz	40km

For other lengths and/or connector combinations please use our Product Configurator on our website L-com.com or contact our Sales or Customer Team. No minimum order requirements!

What does 9/125, 50/125 & 62.5/125 mean?
See the free video tip and more at L-com.com/Videos/A15

L-com® Global Connectivity

CONNECTOR LEGEND


ST Connector

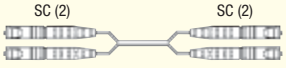

Clipped LC Connector


SC Connector

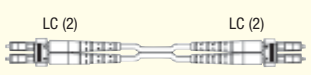
FODSTC50-XX
• Dual ST Connectors



FODSC50-XX
• Dual SC Connectors



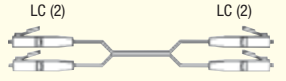
FODLC50-CL-XX
• Dual LC Clipped Connectors



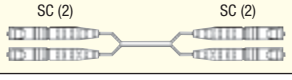
Did you know...

L-com offers 10 Gig optimized 50/125 fiber cable assemblies off the shelf?

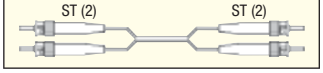
FODLC-10G-XX
• Dual LC Connectors



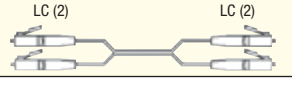
FODSC-10G-XX
• Dual SC Connectors



FODST-10G-XX
• Dual ST Connectors



FODLC-OM4-XX • Dual LC Connectors



You can have custom fiber cables in as little as 48 hours.
CALL 1-800-343-1455 NOW!

Item #	Description	1-9	10-24	25-99	100-249	250-499

50/125

L-com's multimode fiber optic patch cords and adapter cords utilize OFNR Riser Rated jackets. All cables are 100% optically tested and utilize a PC polish. Custom lengths and other connector types are available. All cable measurements are in meters. 1m = 3.28 ft.

Dual ST to Dual ST Duplex Patch Cord, Multimode Fiber with OFNR Jacket

FODSTC50-01	MM Fiber Cable, Dual ST / Dual ST, 1.0m	16.00	15.04	14.08	13.12	12.16
FODSTC50-02	MM Fiber Cable, Dual ST / Dual ST, 2.0m	17.25	16.21	15.18	14.15	13.11
FODSTC50-03	MM Fiber Cable, Dual ST / Dual ST, 3.0m	18.50	17.39	16.28	15.17	14.06
FODSTC50-04	MM Fiber Cable, Dual ST / Dual ST, 4.0m	19.75	18.56	17.38	16.20	15.01
FODSTC50-05	MM Fiber Cable, Dual ST / Dual ST, 5.0m	21.00	19.74	18.48	17.22	15.96
FODSTC50-10	MM Fiber Cable, Dual ST / Dual ST, 10.0m	27.25	25.61	23.98	22.35	20.71
FODSTC50-15	MM Fiber Cable, Dual ST / Dual ST, 15.0m	33.50	31.49	29.48	27.47	25.46
FODSTC50-20	MM Fiber Cable, Dual ST / Dual ST, 20.0m	39.75	37.36	34.98	32.60	30.21

Dual SC to Dual SC Duplex Patch Cord, Multimode Fiber with OFNR Jacket

FODSC50-01	MM Fiber Cable, Dual SC / Dual SC, 1.0m	16.00	15.04	14.08	13.12	12.16
FODSC50-02	MM Fiber Cable, Dual SC / Dual SC, 2.0m	17.25	16.21	15.18	14.15	13.11
FODSC50-03	MM Fiber Cable, Dual SC / Dual SC, 3.0m	18.50	17.39	16.28	15.17	14.06
FODSC50-04	MM Fiber Cable, Dual SC / Dual SC, 4.0m	19.75	18.56	17.38	16.20	15.01
FODSC50-05	MM Fiber Cable, Dual SC / Dual SC, 5.0m	21.00	19.74	18.48	17.22	15.96
FODSC50-10	MM Fiber Cable, Dual SC / Dual SC, 10.0m	27.25	25.61	23.98	22.35	20.71
FODSC50-15	MM Fiber Cable, Dual SC / Dual SC, 15.0m	33.50	31.49	29.48	27.47	25.46
FODSC50-20	MM Fiber Cable, Dual SC / Dual SC, 20.0m	39.75	37.36	34.98	32.60	30.21

Dual LC to Dual LC Clipped Duplex Patch Cord, Multimode Fiber with OFNR Jacket

FODLC50-CL-01	MM Fiber Cable, Dual Clipped LC / Dual Clipped LC, 1.0m	20.00	18.80	17.60	16.40	15.20
FODLC50-CL-02	MM Fiber Cable, Dual Clipped LC / Dual Clipped LC, 2.0m	21.00	19.74	18.48	17.22	15.96
FODLC50-CL-03	MM Fiber Cable, Dual Clipped LC / Dual Clipped LC, 3.0m	22.00	20.68	19.36	18.04	16.72
FODLC50-CL-04	MM Fiber Cable, Dual Clipped LC / Dual Clipped LC, 4.0m	23.00	21.62	20.24	18.86	17.48
FODLC50-CL-05	MM Fiber Cable, Dual Clipped LC / Dual Clipped LC, 5.0m	24.00	22.56	21.12	19.68	18.24
FODLC50-CL-10	MM Fiber Cable, Dual Clipped LC / Dual Clipped LC, 10.0m	29.00	27.26	25.52	23.78	22.04

Dual LC to Dual LC 10 Gig Optimized Duplex Patch Cord, Multimode Fiber with OFNR Jacket

FODLC-10G-01	MM Fiber Cable, Dual LC / Dual LC, 10 Gig, 1.0m	25.00	23.50	22.00	20.50	19.00
FODLC-10G-02	MM Fiber Cable, Dual LC / Dual LC, 10 Gig, 2.0m	26.00	24.44	22.88	21.32	19.76
FODLC-10G-03	MM Fiber Cable, Dual LC / Dual LC, 10 Gig, 3.0m	27.00	25.38	23.76	22.14	20.52
FODLC-10G-04	MM Fiber Cable, Dual LC / Dual LC, 10 Gig, 4.0m	28.00	26.32	24.64	22.96	21.28
FODLC-10G-05	MM Fiber Cable, Dual LC / Dual LC, 10 Gig, 5.0m	29.00	27.26	25.52	23.78	22.04

Dual SC to Dual SC 10 Gig Optimized Duplex Patch Cord, Multimode Fiber with OFNR Jacket

FODSC-10G-01	MM Fiber Cable, Dual SC / Dual SC, 10 Gig, 1.0m	20.00	18.80	17.60	16.40	15.20
FODSC-10G-02	MM Fiber Cable, Dual SC / Dual SC, 10 Gig, 2.0m	21.00	19.74	18.48	17.22	15.96
FODSC-10G-03	MM Fiber Cable, Dual SC / Dual SC, 10 Gig, 3.0m	22.00	20.68	19.36	18.04	16.72
FODSC-10G-04	MM Fiber Cable, Dual SC / Dual SC, 10 Gig, 4.0m	23.00	21.62	20.24	18.86	17.48
FODSC-10G-05	MM Fiber Cable, Dual SC / Dual SC, 10 Gig, 5.0m	24.00	22.56	21.12	19.68	18.24

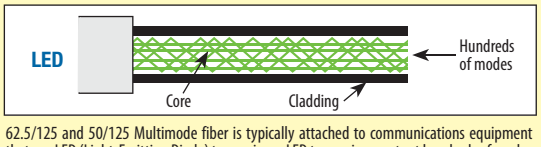
Dual ST to Dual ST 10 Gig Optimized Duplex Patch Cord, Multimode Fiber with OFNR Jacket

FODST-10G-01	MM Fiber Cable, Dual ST / Dual ST, 10 Gig, 1.0m	20.00	18.80	17.60	16.40	15.20
FODST-10G-02	MM Fiber Cable, Dual ST / Dual ST, 10 Gig, 2.0m	21.00	19.74	18.48	17.22	15.96
FODST-10G-03	MM Fiber Cable, Dual ST / Dual ST, 10 Gig, 3.0m	22.00	20.68	19.36	18.04	16.72
FODST-10G-04	MM Fiber Cable, Dual ST / Dual ST, 10 Gig, 4.0m	23.00	21.62	20.24	18.86	17.48
FODST-10G-05	MM Fiber Cable, Dual ST / Dual ST, 10 Gig, 5.0m	24.00	22.56	21.12	19.68	18.24

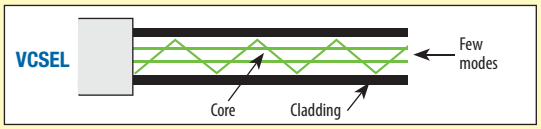
Dual LC to Dual LC Duplex OM4 Duplex Patch Cords, Multimode Fiber with OFNR Jacket

FODLC-OM4-1	MM OM4 Fiber Cable, Dual LC / Dual LC, 1.0m	27.25	25.61	23.98	22.35	20.71
FODLC-OM4-2	MM OM4 Fiber Cable, Dual LC / Dual LC, 2.0m	28.50	26.79	25.08	23.37	21.66
FODLC-OM4-3	MM OM4 Fiber Cable, Dual LC / Dual LC, 3.0m	29.75	27.96	26.18	24.40	22.61
FODLC-OM4-4	MM OM4 Fiber Cable, Dual LC / Dual LC, 4.0m	31.00	29.14	27.28	25.42	23.56
FODLC-OM4-5	MM OM4 Fiber Cable, Dual LC / Dual LC, 5.0m	32.25	30.31	28.38	26.45	24.51
FODLC-OM4-10	MM OM4 Fiber Cable, Dual LC / Dual LC, 10.0m	38.50	36.19	33.88	31.57	29.26

Tip *What's the difference between regular and 10 Gig Multimode fiber?*



62.5/125 and 50/125 Multimode fiber is typically attached to communications equipment that use LED (Light-Emitting Diode) transceivers. LED transceivers output hundreds of modes or rays of light into the cable.



10 Gbps Vertical Cavity Surface Emitting Lasers (VCSELs) use only a specific set of modes, not the hundreds of modes that traditional Multimode fiber LED's use.

A fiber cable's bandwidth is dictated by the combined performance of all the modes, if only several modes fall behind or get ahead it has little influence or effect on the cables total bandwidth handling capabilities. So traditional Multimode cable works fine when used with LED transceivers.

When transmitting light through a fiber cable a phenomenon known as Modal Dispersion occurs. Modal Dispersion causes different modes of light to arrive at the receiving end of the cable at different times. The degree of Modal Dispersion is a result of a fiber's refractive index, which is a property of the fiber that affects the speed of light transmitted through the fiber's core. The refractive index of a fiber is defined during the fiber manufacturing process.

As the need for speed and bandwidth grew, 10 Gbps Vertical Cavity Surface Emitting Lasers (VCSELs) were developed. These low cost lasers use only a specific set of modes. Because of this there can be very little Modal Dispersion since a fiber cable's bandwidth is dictated by the combined performance of all the modes. If only a few modes fall behind or get ahead when using VCSEL technology, it has a great impact on the cables total bandwidth handling capacity.

For other lengths and/or connector combinations please use our Product Configurator on our website L-com.com or contact our Sales or Customer Team. No minimum order requirements!

L-com Global Connectivity

Customer Testimonials
Read why others choose L-com.
L-com.com/Testimonials

Item #	Description	1-9	10-24	25-99	100-249	250-499

50/125

L-com's multimode fiber optic patch cords and adapter cords utilize OFNR Riser Rated jackets. All cables are 100% optically tested and utilize a PC polish. Custom lengths and other connector types are available. All cable measurements are in meters. 1m = 3.28 ft.

Dual FC to Dual ST Duplex Adapter Cord, Multimode Fiber with OFNR Jacket

FODFC50-ST-01	MM Fiber Cable, Dual FC / Dual ST, 1.0m	17.25	16.21	15.18	14.15	13.11
FODFC50-ST-02	MM Fiber Cable, Dual FC / Dual ST, 2.0m	18.50	17.39	16.28	15.17	14.06
FODFC50-ST-03	MM Fiber Cable, Dual FC / Dual ST, 3.0m	19.75	18.56	17.38	16.20	15.01
FODFC50-ST-04	MM Fiber Cable, Dual FC / Dual ST, 4.0m	21.00	19.74	18.48	17.22	15.96
FODFC50-ST-05	MM Fiber Cable, Dual FC / Dual ST, 5.0m	22.25	20.91	19.58	18.25	16.91

Dual FC to Dual SC Duplex Adapter Cord, Multimode Fiber with OFNR Jacket

FODFC50-SC-01	MM Fiber Cable, Dual FC / Dual SC, 1.0m	17.25	16.21	15.18	14.15	13.11
FODFC50-SC-02	MM Fiber Cable, Dual FC / Dual SC, 2.0m	18.50	17.39	16.28	15.17	14.06
FODFC50-SC-03	MM Fiber Cable, Dual FC / Dual SC, 3.0m	19.75	18.56	17.38	16.20	15.01
FODFC50-SC-04	MM Fiber Cable, Dual FC / Dual SC, 4.0m	21.00	19.74	18.48	17.22	15.96
FODFC50-SC-05	MM Fiber Cable, Dual FC / Dual SC, 5.0m	22.25	20.91	19.58	18.25	16.91

Dual ST to Dual SC Duplex Adapter Cords, Multimode Fiber with OFNR Jacket

FODST50-SC-01	MM Fiber Cable, Dual ST / Dual SC, 1.0m	16.00	15.04	14.08	13.12	12.16
FODST50-SC-02	MM Fiber Cable, Dual ST / Dual SC, 2.0m	17.25	16.21	15.18	14.15	13.11
FODST50-SC-03	MM Fiber Cable, Dual ST / Dual SC, 3.0m	18.50	17.39	16.28	15.17	14.06
FODST50-SC-04	MM Fiber Cable, Dual ST / Dual SC, 4.0m	19.75	18.56	17.38	16.20	15.01
FODST50-SC-05	MM Fiber Cable, Dual ST / Dual SC, 5.0m	21.00	19.74	18.48	17.22	15.96
FODST50-SC-10	MM Fiber Cable, Dual ST / Dual SC, 10.0m	27.25	25.61	23.98	22.35	20.71
FODST50-SC-15	MM Fiber Cable, Dual ST / Dual SC, 15.0m	33.50	31.49	29.48	27.47	25.46
FODST50-SC-20	MM Fiber Cable, Dual ST / Dual SC, 20.0m	39.75	37.36	34.98	32.60	30.21

Dual ST to Dual LC Duplex Adapter Cords, Multimode Fiber with OFNR Jacket

FODST50-LC-01	MM Fiber Cable, Dual ST / Dual LC, 1.0m	26.25	24.67	23.10	21.53	19.95
FODST50-LC-02	MM Fiber Cable, Dual ST / Dual LC, 2.0m	27.50	25.85	24.20	22.55	20.90
FODST50-LC-03	MM Fiber Cable, Dual ST / Dual LC, 3.0m	28.75	27.02	25.30	23.58	21.85
FODST50-LC-04	MM Fiber Cable, Dual ST / Dual LC, 4.0m	30.00	28.20	26.40	24.60	22.80
FODST50-LC-05	MM Fiber Cable, Dual ST / Dual LC, 5.0m	31.25	29.38	27.50	25.63	23.75

Dual SC to Dual LC Duplex Adapter Cords, Multimode Fiber with OFNR Jacket

FODSC50-LC-01	MM Fiber Cable, Dual SC / Dual LC, 1.0m	24.25	22.79	21.34	19.89	18.43
FODSC50-LC-02	MM Fiber Cable, Dual SC / Dual LC, 2.0m	25.50	23.97	22.44	20.91	19.38
FODSC50-LC-03	MM Fiber Cable, Dual SC / Dual LC, 3.0m	26.75	25.14	23.54	21.94	20.33
FODSC50-LC-04	MM Fiber Cable, Dual SC / Dual LC, 4.0m	28.00	26.32	24.64	22.96	21.28
FODSC50-LC-05	MM Fiber Cable, Dual SC / Dual LC, 5.0m	29.25	27.49	25.74	23.99	22.23

50/125

L-com utilizes a Riser Rated OFNR Low Smoke Zero Halogen (LSZH) jacket and all cables come standard with a PC polish. UPC polish available as a custom as well as custom lengths and connector combinations.

Dual LC to Dual LC Duplex Patch Cord, Multimode Fiber with LSZH Jacket

FODZLC50-01	MM LSZH Fiber Cable, Dual LC / Dual LC, 1.0m	36.50	34.31	32.12	29.93	27.74
FODZLC50-02	MM LSZH Fiber Cable, Dual LC / Dual LC, 2.0m	38.00	35.72	33.44	31.16	28.88
FODZLC50-03	MM LSZH Fiber Cable, Dual LC / Dual LC, 3.0m	39.50	37.13	34.76	32.39	30.02
FODZLC50-04	MM LSZH Fiber Cable, Dual LC / Dual LC, 4.0m	41.00	38.54	36.08	33.62	31.16
FODZLC50-05	MM LSZH Fiber Cable, Dual LC / Dual LC, 5.0m	42.50	39.95	37.40	34.85	32.30

Dual ST to Dual ST Duplex Patch Cord, Multimode Fiber with LSZH Jacket

FODZST50-01	MM LSZH Fiber Cable, Dual ST / Dual ST, 1.0m	14.75	13.86	12.98	12.10	11.21
FODZST50-02	MM LSZH Fiber Cable, Dual ST / Dual ST, 2.0m	16.25	15.27	14.30	13.33	12.35
FODZST50-03	MM LSZH Fiber Cable, Dual ST / Dual ST, 3.0m	17.75	16.68	15.62	14.56	13.49
FODZST50-04	MM LSZH Fiber Cable, Dual ST / Dual ST, 4.0m	19.25	18.09	16.94	15.79	14.63
FODZST50-05	MM LSZH Fiber Cable, Dual ST / Dual ST, 5.0m	20.75	19.50	18.26	17.02	15.77

Dual SC to Dual SC Duplex Patch Cord, Multimode Fiber with LSZH Jacket

FODZSC50-01	MM LSZH Fiber Cable, Dual SC / Dual SC, 1.0m	14.75	13.86	12.98	12.10	11.21
FODZSC50-02	MM LSZH Fiber Cable, Dual SC / Dual SC, 2.0m	16.25	15.27	14.30	13.33	12.35
FODZSC50-03	MM LSZH Fiber Cable, Dual SC / Dual SC, 3.0m	17.75	16.68	15.62	14.56	13.49
FODZSC50-04	MM LSZH Fiber Cable, Dual SC / Dual SC, 4.0m	19.25	18.09	16.94	15.79	14.63
FODZSC50-05	MM LSZH Fiber Cable, Dual SC / Dual SC, 5.0m	20.75	19.50	18.26	17.02	15.77

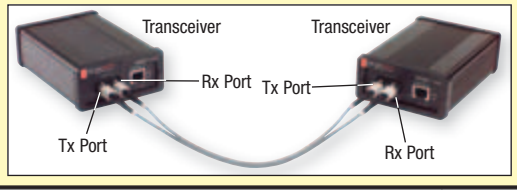
Dual FC to Dual FC Duplex Patch Cord, Multimode Fiber with LSZH Jacket

FODZFC50-01	MM LSZH Fiber Cable, Dual FC / Dual FC, 1.0m	17.50	16.45	15.40	14.35	13.30
FODZFC50-02	MM LSZH Fiber Cable, Dual FC / Dual FC, 2.0m	19.00	17.86	16.72	15.58	14.44
FODZFC50-03	MM LSZH Fiber Cable, Dual FC / Dual FC, 3.0m	20.50	19.27	18.04	16.81	15.58
FODZFC50-04	MM LSZH Fiber Cable, Dual FC / Dual FC, 4.0m	22.00	20.68	19.36	18.04	16.72
FODZFC50-05	MM LSZH Fiber Cable, Dual FC / Dual FC, 5.0m	23.50	22.09	20.68	19.27	17.86

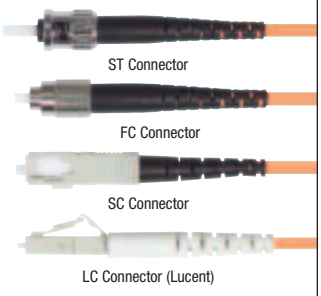
"A" and "B" markers make the connection

Online Video
L-com.com/Videos/A06

The "A" and "B" markers on duplex fiber jumpers assist in the proper connection between two transceivers. The transmit (Tx) port of one transceiver connects to the Receive (Rx) port of the second transceiver as illustrated at right. It is important to determine how the individual fibers in a duplex assembly are marked (A to A or A to B) to assure proper connections are made between the Tx and Rx ports of the transceivers.



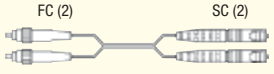
CONNECTOR LEGEND



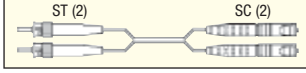
FODFC50-ST-XX
• Dual FC and Dual ST Connectors



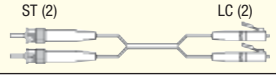
FODFC50-SC-XX
• Dual FC and Dual SC Connectors



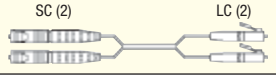
FODST50-SC-XX
• Dual ST and Dual SC Connectors



FODST50-LC-XX
• Dual ST and Dual LC Connectors



FODSC50-LC-XX
• Dual SC and Dual LC Connectors

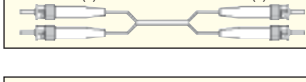


You can have custom fiber cables in as little as 48 hours.
CALL 1-800-343-1455 NOW!

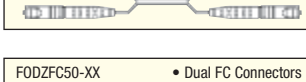
FODZLC50-XX • Dual LC Connectors



FODZST50-XX • Dual ST Connectors



FODZSC50-XX • Dual SC Connectors



FODZFC50-XX • Dual FC Connectors



For other lengths and/or connector combinations please use our Product Configurator on our website L-com.com or contact our Sales or Customer Team. No minimum order requirements!

How to clean a fiber cable
See the free video tip and more at
L-com.com/Videos/A05

L-com Global Connectivity

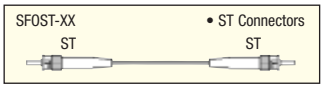
CONNECTOR LEGEND

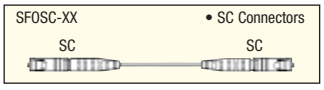

ST Connector


SC Connector

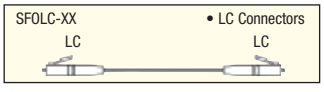

FC Connector


Clipped LC Connector

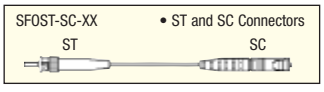


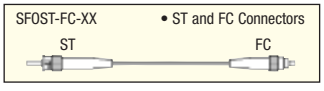


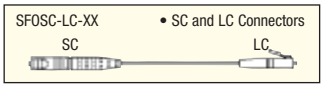


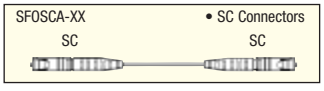


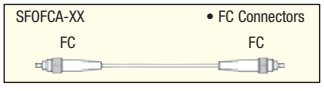
You can have custom fiber cables in as little as 48 hours.
CALL 1-800-343-1455 NOW!

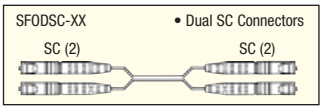


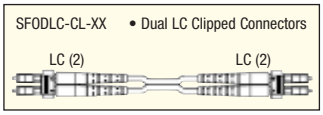












Item #	Description	1-9	10-24	25-99	100-249	250-499

9/125

L-com's single mode fiber optic patch cords and adapter cords are offered in both simplex and duplex configuration with OFNR Riser Rated jackets. All cables are 100% optically tested and utilize a PC or APC polish. Custom lengths and other connector types are available as are UPC polished assemblies. All cable measurements are in meters. 1m = 3.28 ft.

ST to ST Simplex Patch Cord, Single mode Fiber with OFNR Jacket

SFOST-01	SM Fiber Cable, ST / ST, 1.0m	10.00	9.40	8.80	8.20	7.60
SFOST-02	SM Fiber Cable, ST / ST, 2.0m	10.50	9.87	9.24	8.61	7.98
SFOST-03	SM Fiber Cable, ST / ST, 3.0m	11.00	10.34	9.68	9.02	8.36
SFOST-04	SM Fiber Cable, ST / ST, 4.0m	11.50	10.81	10.12	9.43	8.74
SFOST-05	SM Fiber Cable, ST / ST, 5.0m	12.00	11.28	10.56	9.84	9.12

SC to SC Simplex Patch Cord, Single mode Fiber with OFNR Jacket

SFOSC-01	SM Fiber Cable, SC / SC, 1.0m	10.00	9.40	8.80	8.20	7.60
SFOSC-02	SM Fiber Cable, SC / SC, 2.0m	10.50	9.87	9.24	8.61	7.98
SFOSC-03	SM Fiber Cable, SC / SC, 3.0m	11.00	10.34	9.68	9.02	8.36
SFOSC-04	SM Fiber Cable, SC / SC, 4.0m	11.50	10.81	10.12	9.43	8.74
SFOSC-05	SM Fiber Cable, SC / SC, 5.0m	12.00	11.28	10.56	9.84	9.12

FC to FC Simplex Patch Cord, Single mode Fiber with OFNR Jacket

SFOFC-01	SM Fiber Cable, FC / FC, 1.0m	10.00	9.40	8.80	8.20	7.60
SFOFC-02	SM Fiber Cable, FC / FC, 2.0m	10.50	9.87	9.24	8.61	7.98
SFOFC-03	SM Fiber Cable, FC / FC, 3.0m	11.00	10.34	9.68	9.02	8.36
SFOFC-04	SM Fiber Cable, FC / FC, 4.0m	11.50	10.81	10.12	9.43	8.74
SFOFC-05	SM Fiber Cable, FC / FC, 5.0m	12.00	11.28	10.56	9.84	9.12

LC to LC Simplex Patch Cord, Single mode Fiber with OFNR Jacket

SFOLC-01	SM Fiber Cable, LC / LC, 1.0m	21.00	19.74	18.48	17.22	15.96
SFOLC-02	SM Fiber Cable, LC / LC, 2.0m	21.50	20.21	18.92	17.63	16.34
SFOLC-03	SM Fiber Cable, LC / LC, 3.0m	22.00	20.68	19.36	18.04	16.72
SFOLC-04	SM Fiber Cable, LC / LC, 4.0m	22.50	21.15	19.80	18.45	17.10
SFOLC-05	SM Fiber Cable, LC / LC, 5.0m	23.00	21.62	20.24	18.86	17.48

ST to SC Simplex Adapter Cord, Single mode Fiber with OFNR Jacket

SFOST-SC-01	SM Fiber Cable, ST / SC, 1.0m	10.00	9.40	8.80	8.20	7.60
SFOST-SC-02	SM Fiber Cable, ST / SC, 2.0m	10.50	9.87	9.24	8.61	7.98
SFOST-SC-03	SM Fiber Cable, ST / SC, 3.0m	11.00	10.34	9.68	9.02	8.36
SFOST-SC-04	SM Fiber Cable, ST / SC, 4.0m	11.50	10.81	10.12	9.43	8.74
SFOST-SC-05	SM Fiber Cable, ST / SC, 5.0m	12.00	11.28	10.56	9.84	9.12

ST to FC Simplex Adapter Cord, Single mode Fiber with OFNR Jacket

SFOST-FC-01	SM Fiber Cable, ST / FC, 1.0m	10.00	9.40	8.80	8.20	7.60
SFOST-FC-02	SM Fiber Cable, ST / FC, 2.0m	10.50	9.87	9.24	8.61	7.98
SFOST-FC-03	SM Fiber Cable, ST / FC, 3.0m	11.00	10.34	9.68	9.02	8.36
SFOST-FC-04	SM Fiber Cable, ST / FC, 4.0m	11.50	10.81	10.12	9.43	8.74
SFOST-FC-05	SM Fiber Cable, ST / FC, 5.0m	12.00	11.28	10.56	9.84	9.12

SC to LC Simplex Adapter Cord, Single mode Fiber with OFNR Jacket

SFOSC-LC-01	SM Fiber Cable, SC / LC, 1.0m	15.00	14.10	13.20	12.30	11.40
SFOSC-LC-02	SM Fiber Cable, SC / LC, 2.0m	15.50	14.57	13.64	12.71	11.78
SFOSC-LC-03	SM Fiber Cable, SC / LC, 3.0m	16.00	15.04	14.08	13.12	12.16
SFOSC-LC-04	SM Fiber Cable, SC / LC, 4.0m	16.50	15.51	14.52	13.53	12.54
SFOSC-LC-05	SM Fiber Cable, SC / LC, 5.0m	17.00	15.98	14.96	13.94	12.92

SC to SC Simplex Patch Cord, APC Single mode Fiber with OFNR Jacket

SFOSCA-01	SM Fiber Cable, SC / SC, 1.0m	12.00	11.28	10.56	9.84	9.12
SFOSCA-02	SM Fiber Cable, SC / SC, 2.0m	12.50	11.75	11.00	10.25	9.50
SFOSCA-03	SM Fiber Cable, SC / SC, 3.0m	13.00	12.22	11.44	10.66	9.88
SFOSCA-04	SM Fiber Cable, SC / SC, 4.0m	13.50	12.69	11.88	11.07	10.26
SFOSCA-05	SM Fiber Cable, SC / SC, 5.0m	14.00	13.16	12.32	11.48	10.64

FC to FC Simplex Patch Cord, APC Single mode Fiber with OFNR Jacket

SFOFCA-01	SM Fiber Cable, FC / FC, 1.0m	12.50	11.75	11.00	10.25	9.50
SFOFCA-02	SM Fiber Cable, FC / FC, 2.0m	13.00	12.22	11.44	10.66	9.88
SFOFCA-03	SM Fiber Cable, FC / FC, 3.0m	13.50	12.69	11.88	11.07	10.26
SFOFCA-04	SM Fiber Cable, FC / FC, 4.0m	14.00	13.16	12.32	11.48	10.64
SFOFCA-05	SM Fiber Cable, FC / FC, 5.0m	14.50	13.63	12.76	11.89	11.02

Dual SC to Dual SC Duplex Patch Cord, Single mode Fiber with OFNR Jacket

SFODSC-01	SM Fiber Cable, Dual SC / Dual SC, 1.0m	18.50	17.39	16.28	15.17	14.06
SFODSC-02	SM Fiber Cable, Dual SC / Dual SC, 2.0m	19.50	18.33	17.16	15.99	14.82
SFODSC-03	SM Fiber Cable, Dual SC / Dual SC, 3.0m	20.50	19.27	18.04	16.81	15.58
SFODSC-04	SM Fiber Cable, Dual SC / Dual SC, 4.0m	21.50	20.21	18.92	17.63	16.34
SFODSC-05	SM Fiber Cable, Dual SC / Dual SC, 5.0m	22.50	21.15	19.80	18.45	17.10

Dual LC to Dual LC Clipped Duplex Patch Cord, Single mode Fiber with OFNR Jacket

SFODLC-CL-01	SM Fiber Cable, Dual Clipped LC / Dual Clipped LC, 1.0m	31.00	29.14	27.28	25.42	23.56
SFODLC-CL-02	SM Fiber Cable, Dual Clipped LC / Dual Clipped LC, 2.0m	32.00	30.08	28.16	26.24	24.32
SFODLC-CL-03	SM Fiber Cable, Dual Clipped LC / Dual Clipped LC, 3.0m	33.00	31.02	29.04	27.06	25.08
SFODLC-CL-04	SM Fiber Cable, Dual Clipped LC / Dual Clipped LC, 4.0m	34.00	31.96	29.92	27.88	25.84
SFODLC-CL-05	SM Fiber Cable, Dual Clipped LC / Dual Clipped LC, 5.0m	35.00	32.90	30.80	28.70	26.60
SFODLC-CL-10	SM Fiber Cable, Dual Clipped LC / Dual Clipped LC, 10.0m	40.00	37.60	35.20	32.80	30.40

For other lengths and/or connector combinations please use our Product Configurator on our website L-com.com or contact our Sales or Customer Team. No minimum order requirements!

L-com® Global Connectivity

RoHS status information
listed online for every product.
L-com.com/RoHS

Item #	Description	1-9	10-24	25-99	100-249	250-499

9/125

L-com's single mode fiber optic patch cords and adapter cords are offered in both simplex and duplex configuration with OFNR Riser Rated jackets. All cables are 100% optically tested and utilize a PC or APC polish. Custom lengths and other connector types are available as are UPC polished assemblies. All cable measurements are in meters. 1m = 3.28 ft.

Dual ST to Dual ST Duplex Patch Cord, Single mode Fiber with OFNR Jacket

SFODST-01	SM Fiber Cable, Dual ST / Dual ST, 1.0m	18.50	17.39	16.28	15.17	14.06
SFODST-02	SM Fiber Cable, Dual ST / Dual ST, 2.0m	19.50	18.33	17.16	15.99	14.82
SFODST-03	SM Fiber Cable, Dual ST / Dual ST, 3.0m	20.50	19.27	18.04	16.81	15.58
SFODST-04	SM Fiber Cable, Dual ST / Dual ST, 4.0m	21.50	20.21	18.92	17.63	16.34
SFODST-05	SM Fiber Cable, Dual ST / Dual ST, 5.0m	22.50	21.15	19.80	18.45	17.10

Dual ST to Dual SC Duplex Adapter Cord, Single mode Fiber with OFNR Jacket

SFODST-SC-01	SM Fiber Cable, Dual ST / Dual SC, 1.0m	18.50	17.39	16.28	15.17	14.06
SFODST-SC-02	SM Fiber Cable, Dual ST / Dual SC, 2.0m	19.50	18.33	17.16	15.99	14.82
SFODST-SC-03	SM Fiber Cable, Dual ST / Dual SC, 3.0m	20.50	19.27	18.04	16.81	15.58
SFODST-SC-04	SM Fiber Cable, Dual ST / Dual SC, 4.0m	21.50	20.21	18.92	17.63	16.34
SFODST-SC-05	SM Fiber Cable, Dual ST / Dual SC, 5.0m	22.50	21.15	19.80	18.45	17.10

Dual ST to Dual FC Duplex Adapter Cord, Single mode Fiber with OFNR Jacket

SFODST-FC-01	SM Fiber Cable, Dual ST / Dual FC, 1.0m	19.50	18.33	17.16	15.99	14.82
SFODST-FC-02	SM Fiber Cable, Dual ST / Dual FC, 2.0m	20.50	19.27	18.04	16.81	15.58
SFODST-FC-03	SM Fiber Cable, Dual ST / Dual FC, 3.0m	21.50	20.21	18.92	17.63	16.34
SFODST-FC-04	SM Fiber Cable, Dual ST / Dual FC, 4.0m	22.50	21.15	19.80	18.45	17.10
SFODST-FC-05	SM Fiber Cable, Dual ST / Dual FC, 5.0m	23.50	22.09	20.68	19.27	17.86

Dual ST to Dual LC Duplex Adapter Cord, Single mode Fiber with OFNR Jacket

SFODST-LC-01	SM Fiber Cable, Dual ST / Dual LC, 1.0m	29.00	27.26	25.52	23.78	22.04
SFODST-LC-02	SM Fiber Cable, Dual ST / Dual LC, 2.0m	30.00	28.20	26.40	24.60	22.80
SFODST-LC-03	SM Fiber Cable, Dual ST / Dual LC, 3.0m	31.00	29.14	27.28	25.42	23.56
SFODST-LC-04	SM Fiber Cable, Dual ST / Dual LC, 4.0m	32.00	30.08	28.16	26.24	24.32
SFODST-LC-05	SM Fiber Cable, Dual ST / Dual LC, 5.0m	33.00	31.02	29.04	27.06	25.08

Dual SC to Dual LC Duplex Adapter Cord, Single mode Fiber with OFNR Jacket

SFODSC-LC-01	SM Fiber Cable, Dual SC / Dual LC, 1.0m	29.00	27.26	25.52	23.78	22.04
SFODSC-LC-02	SM Fiber Cable, Dual SC / Dual LC, 2.0m	30.00	28.20	26.40	24.60	22.80
SFODSC-LC-03	SM Fiber Cable, Dual SC / Dual LC, 3.0m	31.00	29.14	27.28	25.42	23.56
SFODSC-LC-04	SM Fiber Cable, Dual SC / Dual LC, 4.0m	32.00	30.08	28.16	26.24	24.32
SFODSC-LC-05	SM Fiber Cable, Dual SC / Dual LC, 5.0m	33.00	31.02	29.04	27.06	25.08

Dual SC to Dual SC Duplex Patch Cord, APC Single mode Fiber with OFNR Jacket

SFODSCA-01	SM Fiber Cable, Dual SC / Dual SC, 1.0m	22.50	21.15	19.80	18.45	17.10
SFODSCA-02	SM Fiber Cable, Dual SC / Dual SC, 2.0m	23.50	22.09	20.68	19.27	17.86
SFODSCA-03	SM Fiber Cable, Dual SC / Dual SC, 3.0m	24.50	23.03	21.56	20.09	18.62
SFODSCA-04	SM Fiber Cable, Dual SC / Dual SC, 4.0m	25.50	23.97	22.44	20.91	19.38
SFODSCA-05	SM Fiber Cable, Dual SC / Dual SC, 5.0m	26.50	24.91	23.32	21.73	20.14

Dual LC to Dual LC Duplex Patch Cord, APC Single mode Fiber with OFNR Jacket

SFODLCA-01	SM Fiber Cable, Dual LC / Dual LC, 1.0m	49.00	46.06	43.12	40.18	37.24
SFODLCA-02	SM Fiber Cable, Dual LC / Dual LC, 2.0m	50.00	47.00	44.00	41.00	38.00
SFODLCA-03	SM Fiber Cable, Dual LC / Dual LC, 3.0m	51.00	47.94	44.88	41.82	38.76
SFODLCA-04	SM Fiber Cable, Dual LC / Dual LC, 4.0m	52.00	48.88	45.76	42.64	39.52
SFODLCA-05	SM Fiber Cable, Dual LC / Dual LC, 5.0m	53.00	49.82	46.64	43.46	40.28

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L-com utilizes a Riser Rated OFNR Low Smoke Zero Halogen (LSZH) jacket and all cables come standard with PC polish. UPC and APC polish are available as well as custom lengths and connector combinations.

Dual ST to Dual ST Duplex Patch Cord, Single mode Fiber with LSZH Jacket

SFODZST-01	SM LSZH Fiber Cable, Dual ST / Dual ST, 1.0m	17.50	16.45	15.40	14.35	13.30
SFODZST-02	SM LSZH Fiber Cable, Dual ST / Dual ST, 2.0m	18.75	17.63	16.50	15.38	14.25
SFODZST-03	SM LSZH Fiber Cable, Dual ST / Dual ST, 3.0m	20.00	18.80	17.60	16.40	15.20
SFODZST-04	SM LSZH Fiber Cable, Dual ST / Dual ST, 4.0m	21.25	19.97	18.70	17.43	16.15
SFODZST-05	SM LSZH Fiber Cable, Dual ST / Dual ST, 5.0m	22.50	21.15	19.80	18.45	17.10

Dual SC to Dual SC Duplex Patch Cord, Single mode Fiber with LSZH Jacket

SFODZSC-01	SM LSZH Fiber Cable, Dual SC / Dual SC, 1.0m	17.50	16.45	15.40	14.35	13.30
SFODZSC-02	SM LSZH Fiber Cable, Dual SC / Dual SC, 2.0m	18.75	17.63	16.50	15.38	14.25
SFODZSC-03	SM LSZH Fiber Cable, Dual SC / Dual SC, 3.0m	20.00	18.80	17.60	16.40	15.20
SFODZSC-04	SM LSZH Fiber Cable, Dual SC / Dual SC, 4.0m	21.25	19.97	18.70	17.43	16.15
SFODZSC-05	SM LSZH Fiber Cable, Dual SC / Dual SC, 5.0m	22.50	21.15	19.80	18.45	17.10

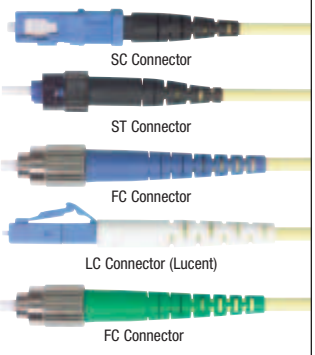
Dual FC to Dual FC Duplex Patch Cord, Single mode Fiber with LSZH Jacket

SFODZFC-01	SM LSZH Fiber Cable, Dual FC / Dual FC, 1.0m	19.00	17.86	16.72	15.58	14.44
SFODZFC-02	SM LSZH Fiber Cable, Dual FC / Dual FC, 2.0m	20.25	19.04	17.82	16.61	15.39
SFODZFC-03	SM LSZH Fiber Cable, Dual FC / Dual FC, 3.0m	21.50	20.21	18.92	17.63	16.34
SFODZFC-04	SM LSZH Fiber Cable, Dual FC / Dual FC, 4.0m	22.75	21.38	20.02	18.66	17.29
SFODZFC-05	SM LSZH Fiber Cable, Dual FC / Dual FC, 5.0m	24.00	22.56	21.12	19.68	18.24

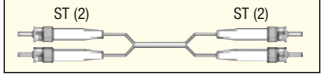
Dual LC to Dual LC Duplex Patch Cord, Single mode Fiber with LSZH Jacket

SFODZLC-01	SM LSZH Fiber Cable, Dual LC / Dual LC, 1.0m	39.25	36.89	34.54	32.19	29.83
SFODZLC-02	SM LSZH Fiber Cable, Dual LC / Dual LC, 2.0m	40.50	38.07	35.64	33.21	30.78
SFODZLC-03	SM LSZH Fiber Cable, Dual LC / Dual LC, 3.0m	41.75	39.24	36.74	34.23	31.73
SFODZLC-04	SM LSZH Fiber Cable, Dual LC / Dual LC, 4.0m	43.00	40.42	37.84	35.26	32.68
SFODZLC-05	SM LSZH Fiber Cable, Dual LC / Dual LC, 5.0m	44.25	41.59	38.94	36.29	33.63

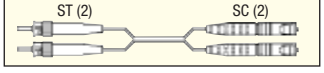
CONNECTOR LEGEND



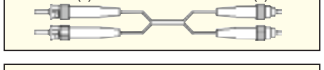
SFODST-XX • Dual ST Connectors



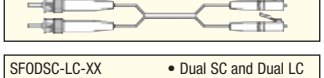
SFODST-SC-XX • Dual ST and Dual SC Connectors



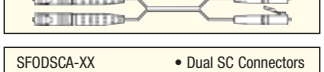
SFODST-FC-XX • Dual ST and Dual FC Connectors



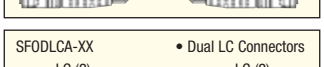
SFODST-LC-XX • Dual ST and Dual LC Connectors



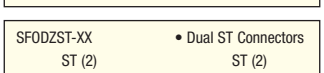
SFODSC-LC-XX • Dual SC and Dual LC Connectors



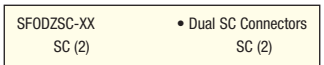
SFODSCA-XX • Dual SC Connectors



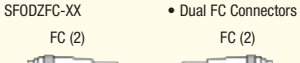
SFODLCA-XX • Dual LC Connectors



SFODZST-XX • Dual ST Connectors



SFODZSC-XX • Dual SC Connectors



SFODZFC-XX • Dual FC Connectors



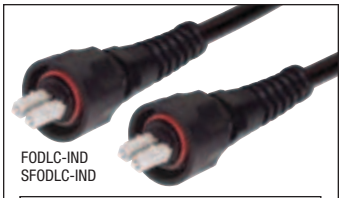
SFODZLC-XX • Dual LC Connectors

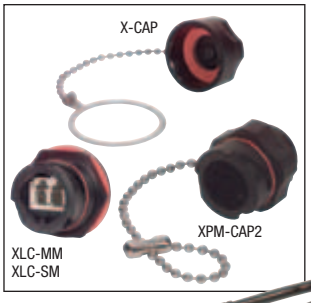


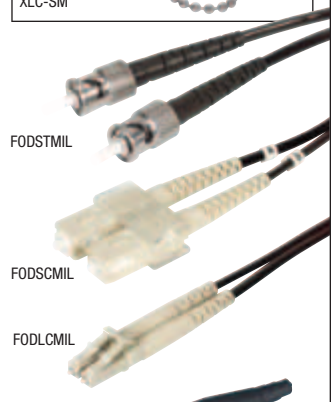
For other lengths and/or connector combinations please use our Product Configurator on our website L-com.com or contact our Sales or Customer Team. No minimum order requirements!

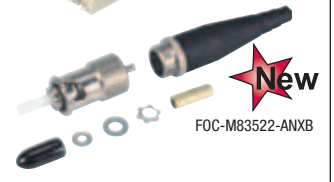
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FODLC-IND
SFODLC-IND

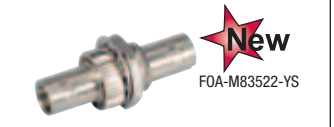














Item #	Description	1-9	10-24	25-99	100-249	250-499

IP66/67 Harsh Environment Multimode or Single mode Duplex LC Cable Assemblies

L-com's IP66/67 rated Duplex LC cable assemblies are perfect for Industrial networks and harsh environments where protection from moisture, chemicals, corrosive gases and liquids is essential. These rugged assemblies feature robust outdoor rated cable, which stands up to hostile environments. Each assembly is 100% functionally tested and is covered by a one year manufacturer warranty. Accessories sold separately include a bulkhead style adapter where one side is designed for standard LC fiber cable connection and the other will accept the industrial LC connector. Additionally, caps for both the connector and bulkhead adapter are available.

FODLC-IND-01	MM IP67 Fiber Cable, Dual LC / Dual LC, 1.0m	139.50	136.71	133.92	131.13	128.34
FODLC-IND-03	MM IP67 Fiber Cable, Dual LC / Dual LC, 3.0m	146.50	143.57	140.64	137.71	134.78
FODLC-IND-05	MM IP67 Fiber Cable, Dual LC / Dual LC, 5.0m	153.50	150.43	147.36	144.29	141.22
FODLC-IND-10	MM IP67 Fiber Cable, Dual LC / Dual LC, 10.0m	171.00	167.58	164.16	160.74	157.32
SFODLC-IND-01	SM IP67 Fiber Cable, Dual LC / Dual LC, 1.0m	153.50	150.43	147.36	144.29	141.22
SFODLC-IND-03	SM IP67 Fiber Cable, Dual LC / Dual LC, 3.0m	159.95	156.75	153.55	150.35	147.15
SFODLC-IND-05	SM IP67 Fiber Cable, Dual LC / Dual LC, 5.0m	166.50	163.17	159.84	156.51	153.18
SFODLC-IND-10	SM IP67 Fiber Cable, Dual LC / Dual LC, 10.0m	181.50	177.87	174.24	170.61	166.98
XLC-MM	MM IP67 Duplex LC Bulkhead Adapter	39.00	37.83	36.66	35.49	34.32
XLC-SM	SM IP67 Duplex LC Bulkhead Adapter	49.95	48.45	46.95	45.45	43.96
X-CAP	IP67 Duplex LC Cap with Chain for Bulkhead Receptacle	9.95	9.65	9.35	9.05	8.76
XPM-CAP2	IP67 Duplex LC Cap with Chain for Industrial Plugs	12.95	12.56	12.17	11.78	11.40

Military Grade 62.5/125 Fiber Optic Patch Cables

L-com's Military Grade fiber optic patch cables are built with specialized Military Tactical fiber cable that features impact and crush resistance characteristics which comply with Military requirements. Additionally, these robust assemblies are rated for operating temperatures of -55° to +85° Celsius. Three versions are available including Duplex ST, SC and LC styles. Our ST assemblies feature rust resistant stainless steel bodies and extra high force springs to ensure tight mating even when exposed to shock and vibration often encountered in the field under combat conditions.

ST to ST Duplex Military Grade Multimode Fiber Optic Cables, 62.5/125 with Polyurethane Jacket

FODSTMIL-01	MM Military Grade Fiber Cable, Dual ST / Dual ST, 1.0m	62.00	59.52	57.04	54.56	CALL
FODSTMIL-02	MM Military Grade Fiber Cable, Dual ST / Dual ST, 2.0m	67.00	64.32	61.64	58.96	CALL
FODSTMIL-03	MM Military Grade Fiber Cable, Dual ST / Dual ST, 3.0m	72.00	69.12	66.24	63.36	CALL
FODSTMIL-05	MM Military Grade Fiber Cable, Dual ST / Dual ST, 5.0m	82.00	78.72	75.44	72.16	CALL
FODSTMIL-10	MM Military Grade Fiber Cable, Dual ST / Dual ST, 10.0m	107.00	102.72	98.44	94.16	CALL

SC to SC Duplex Military Grade Multimode Fiber Optic Cables, 62.5/125 with Polyurethane Jacket

FODSCMIL-01	MM Military Grade Fiber Cable, Dual SC / Dual SC, 1.0m	29.00	27.84	26.68	25.52	CALL
FODSCMIL-02	MM Military Grade Fiber Cable, Dual SC / Dual SC, 2.0m	34.00	32.64	31.28	29.92	CALL
FODSCMIL-03	MM Military Grade Fiber Cable, Dual SC / Dual SC, 3.0m	39.00	37.44	35.88	34.32	CALL
FODSCMIL-05	MM Military Grade Fiber Cable, Dual SC / Dual SC, 5.0m	49.00	47.04	45.08	43.12	CALL
FODSCMIL-10	MM Military Grade Fiber Cable, Dual SC / Dual SC, 10.0m	74.00	71.04	68.08	65.12	CALL

LC to LC Duplex Military Grade Multimode Fiber Optic Cables, 62.5/125 with Polyurethane Jacket

FODLCMIL-01	MM Military Grade Fiber Cable, Dual LC / Dual LC, 1.0m	39.00	37.44	35.88	34.32	CALL
FODLCMIL-02	MM Military Grade Fiber Cable, Dual LC / Dual LC, 2.0m	44.00	42.24	40.48	38.72	CALL
FODLCMIL-03	MM Military Grade Fiber Cable, Dual LC / Dual LC, 3.0m	49.00	47.04	45.08	43.12	CALL
FODLCMIL-05	MM Military Grade Fiber Cable, Dual LC / Dual LC, 5.0m	59.00	56.64	54.28	51.92	CALL
FODLCMIL-10	MM Military Grade Fiber Cable, Dual LC / Dual LC, 10.0m	84.00	80.64	77.28	73.92	CALL

Item #	Description	List Price

MIL-C-83522 ST Connectors

L-com's Mil ST line of connectors meet or exceed 100% of the requirements of military specification MIL-C-83522. These highly durable connectors are built to withstand extreme temperature change, shock, vibration and corrosion. They are ideal for military, aircraft, spacecraft, shipboard and land-based applications. The connectors are designed to work with 2mm fiber cable. For use with 2.5mm or 3mm cable, please purchase crimp ferrule CF83522 separately. Contact L-com today about custom fiber assemblies to meet your exact application needs.

FOC-M83522-ANXB	MIL M83522 ST Connector, MM, Locking, Nickel Plated Brass for 2mm Fiber	25.56
FOC-M83522-ANYB	MIL M83522 ST Connector, SM, Locking, Nickel Plated Brass for 2mm Fiber	26.98
FOC-M83522-DNXB	MIL M83522 ST Connector, MM, Non-Locking, Nickel Plated Brass for 2mm Fiber	12.23
FOC-M83522-DNYB	MIL M83522 ST Connector, SM, Non-Locking, Nickel Plated Brass for 2mm Fiber	12.28
FOC-M83522-DNXS	MIL M83522 ST Connector, MM, Non-Locking, Stainless Steel for 2mm Fiber	18.66
FOC-M83522-DNYS	MIL M83522 ST Connector, SM, Non-Locking, Stainless Steel for 2mm Fiber	18.70
CF83522	MIL M83522 ST Crimp Ferrule Required for use with 2.5 and 3mm Fiber Cable	2.05

MIL-C-83522 ST Connector Dust Caps

Protect your MIL-C-83522 connectors from damage and contaminants using these equally tough nickel or steel dust caps. These dust caps are compatible with L-com's FOC-M83522 MIL spec and FOC-RST COTS lines of connectors. Dust caps include lanyard.

DSTCP-RSTN	ST Dust Cap for MIL & Ruggedized COTS Connectors, Nickel Plated Brass with Lanyard	21.11
DSTCP-RSTS	ST Dust Cap for MIL & Ruggedized COTS Connectors, Stainless Steel with Lanyard	23.59

MIL-C-83522 ST Couplers

These ST couplers are fully qualified to MIL-C-83522 standards ensuring the highest performance for an ST connector. These are designed to work with L-com's FOC-M83522 line of connectors but will also work with standard or COTS ST connectors. Couplers are compatible with both multimode and single mode applications.

FOA-M83522-YB	MIL M83522 ST Coupler, Multimode & Single mode, Nickel Plated Brass	13.84
FOA-M83522-YS	MIL M83522 ST Coupler, Multimode & Single mode, Stainless Steel	29.94

MIL-C-83522 Coupler Dust Caps

Use these coupler dust caps to protect your MIL-83522 couplers when they are not in use. These ruggedized dust caps are designed to complement L-com's FOA-M83522 and FOA-RST lines of ruggedized couplers. Dust caps include lanyard. See L-com.com for a complete part listing.

DSTCP-RSTADPTN	ST Dust Cap for MIL & Ruggedized COTS Couplers, Nickel Plated Brass with Lanyard	17.80
DSTCP-RSTADPTS	ST Dust Cap for MIL & Ruggedized COTS Couplers, Stainless Steel with Lanyard	20.16

For other lengths and/or connector combinations please use our Product Configurator on our website L-com.com or contact our Sales or Customer Team. No minimum order requirements!

L-com® Global Connectivity

Custom design and manufacturing capabilities
Our product design process takes you from concept to production. L-com.com/Custom

Fiber Optic Pigtails

L-com's fiber optic pigtails provide a fast way to make factory terminations in the field. Factory terminated pigtails can easily be fusion or mechanically spliced to an existing fiber line. The jackets are available in all the standard colors and are sold individually rather than limiting you to pre-packaged quantities. All connectors utilize PC polish and all jackets are OFNR rated. Standard connectors include LC, SC, FC and ST. Standard lengths are 1.0, 2.0 and 3.0 meters. Standard jacket sizes include 900um, 2mm and 3mm. Please refer to **L-com.com** for complete part listing. Order online today!

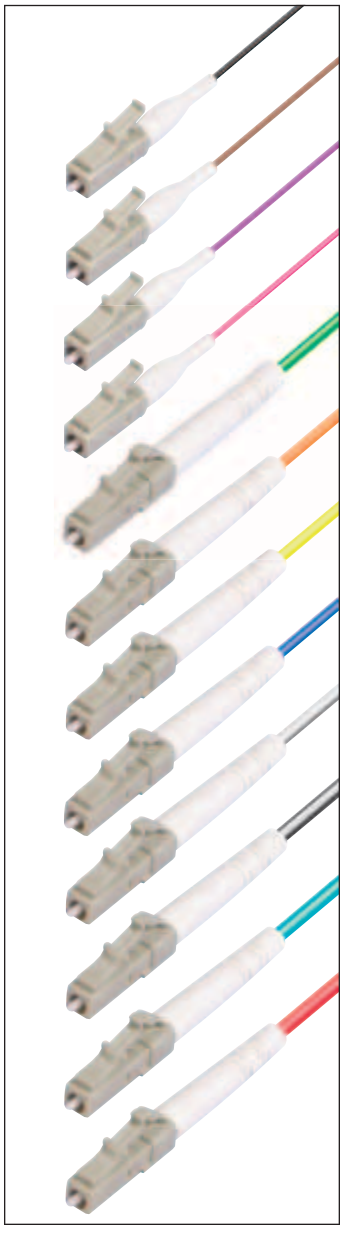
- Available individually instead of pre-packaged quantities
- Connector options include LC, SC, FC, ST
- Common jacket sizes including 900um, 2mm, 3mm
- Up to 12 colors available (see **L-com.com** for all options)
- Available in single mode or multimode

Explanation of FPT Series Part Numbers

FPT9OM2- - -1

- **Series**
- **Cable Size**: 9=900um, 2=2mm, 3=3mm
- **Mode**: SNG=9/125, OM1=62.5/125, OM2=50/125, OM3=50/125 10G
- **Connector Style**: LC, ST, FC, SC (Listings on L-com.com)
- **Cable Color**: BLK, GRY, YLW, ORG, BLU, GRN, RED, VIO, BRN, AQU, ROS, WHT
- **Length**: 1=1.0m, 2=2.0m, 3=3.0m

Item #	Description	Color	1-9	10-24	25-99	100-249
Single mode, 9/125 Fiber Optic Pigtails with 900um OFNR Jacket						
FPT9SNG-LC-__-1	9/125 Rated Single mode Fiber Optic Pigtail, 900um, 1.0m		4.29	3.95	3.60	3.26
FPT9SNG-LC-__-2	9/125 Rated Single mode Fiber Optic Pigtail, 900um, 2.0m		4.63	4.26	3.89	3.52
FPT9SNG-LC-__-3	9/125 Rated Single mode Fiber Optic Pigtail, 900um, 3.0m		4.97	4.57	4.17	3.78
OM1, 62.5/125 Fiber Optic Pigtails with 900um OFNR Jacket						
FPT9OM1-LC-__-1	62.5/125 Rated, OM1 Fiber Optic Pigtail, 900um, 1.0m		4.11	3.78	3.45	3.12
FPT9OM1-LC-__-2	62.5/125 Rated, OM1 Fiber Optic Pigtail, 900um, 2.0m		4.53	4.17	3.81	3.44
FPT9OM1-LC-__-3	62.5/125 Rated, OM1 Fiber Optic Pigtail, 900um, 3.0m		4.95	4.55	4.16	3.76
OM2, 50/125 Fiber Optic Pigtails with 900um OFNR Jacket						
FPT9OM2-LC-__-1	50/125 Rated, OM2 Fiber Optic Pigtail, 900um, 1.0m		4.11	3.78	3.45	3.12
FPT9OM2-LC-__-2	50/125 Rated, OM2 Fiber Optic Pigtail, 900um, 2.0m		4.53	4.17	3.81	3.44
FPT9OM2-LC-__-3	50/125 Rated, OM2 Fiber Optic Pigtail, 900um, 3.0m		4.95	4.55	4.16	3.76
OM3, 10 Gig rated 50/125 LC Fiber Optic Pigtails with 900um OFNR Jacket						
FPT9OM3-LC-ORG-1	50/125 10 Gig Rated, OM3 Fiber Optic Pigtail, 900um, 1.0m	Orange	4.47	4.11	3.75	3.40
FPT9OM3-LC-ORG-2	50/125 10 Gig Rated, OM3 Fiber Optic Pigtail, 900um, 2.0m	Orange	5.26	4.84	4.42	4.00
FPT9OM3-LC-ORG-3	50/125 10 Gig Rated, OM3 Fiber Optic Pigtail, 900um, 3.0m	Orange	6.05	5.57	5.08	4.60
Single mode, 9/125 Fiber Optic Pigtails with 2mm OFNR Jacket						
Only available in the following colors: BLU, GRN, BRN, WHT, RED & YLW.						
FPT2SNG-LC-__-1	9/125 Rated, Single mode Fiber Optic Pigtail, 2mm, 1.0m		4.29	3.95	3.60	3.26
FPT2SNG-LC-__-2	9/125 Rated, Single mode Fiber Optic Pigtail, 2mm, 2.0m		4.63	4.26	3.89	3.52
FPT2SNG-LC-__-3	9/125 Rated, Single mode Fiber Optic Pigtail, 2mm, 3.0m		4.97	4.57	4.17	3.78
OM1, 62.5/125 Fiber Optic Pigtails with 2mm OFNR Jacket						
FPT2OM1-LC-ORG-1	62.5/125 Rated, OM1 Fiber Optic Pigtail, 2mm, 1.0m	Orange	4.16	3.83	3.49	3.16
FPT2OM1-LC-ORG-2	62.5/125 Rated, OM1 Fiber Optic Pigtail, 2mm, 2.0m	Orange	4.63	4.26	3.89	3.52
FPT2OM1-LC-ORG-3	62.5/125 Rated, OM1 Fiber Optic Pigtail, 2mm, 3.0m	Orange	5.11	4.70	4.29	3.88
OM2, 50/125 Fiber Optic Pigtails with 2mm OFNR Jacket						
FPT2OM2-LC-ORG-1	50/125 Rated, OM2 Fiber Optic Pigtail, 2mm, 1.0m	Orange	4.16	3.83	3.49	3.16
FPT2OM2-LC-ORG-2	50/125 Rated, OM2 Fiber Optic Pigtail, 2mm, 2.0m	Orange	4.63	4.26	3.89	3.52
FPT2OM2-LC-ORG-3	50/125 Rated, OM2 Fiber Optic Pigtail, 2mm, 3.0m	Orange	5.11	4.70	4.29	3.88
Single mode, 9/125 Fiber Optic Pigtails with 3mm OFNR Jacket						
Only available in the following colors BLU, GRN, BRN, WHT, RED, & YLW.						
FPT3SNG-LC-__-1	9/125 Rated, Single mode Fiber Optic Pigtail, 3mm, 1.0m		4.29	3.95	3.60	3.26
FPT3SNG-LC-__-2	9/125 Rated, Single mode Fiber Optic Pigtail, 3mm, 2.0m		4.63	4.26	3.89	3.52
FPT3SNG-LC-__-3	9/125 Rated, Single mode Fiber Optic Pigtail, 3mm, 3.0m		4.97	4.57	4.17	3.78
OM1, 62.5/125 Fiber Optic Pigtails with 3mm OFNR Jacket						
Only available in the following colors: BLU, ORG, GRN, RED & YLW.						
FPT3OM1-LC-__-1	62.5/125 Rated, OM1 Fiber Optic Pigtail, 3mm, 1.0m		4.16	3.83	3.49	3.16
FPT3OM1-LC-__-2	62.5/125 Rated, OM1 Fiber Optic Pigtail, 3mm, 2.0m		4.63	4.26	3.89	3.52
FPT3OM1-LC-__-3	62.5/125 Rated, OM1 Fiber Optic Pigtail, 3mm, 3.0m		5.11	4.70	4.29	3.88
OM2, 50/125 Fiber Optic Pigtails with 3mm OFNR Jacket						
Only available in the colors of ORG & GRY.						
FPT3OM2-LC-__-1	50/125 Rated, OM2 Fiber Optic Pigtail, 3mm, 1.0m		4.16	3.83	3.49	3.16
FPT3OM2-LC-__-2	50/125 Rated, OM2 Fiber Optic Pigtail, 3mm, 2.0m		4.63	4.26	3.89	3.52
FPT3OM2-LC-__-3	50/125 Rated, OM2 Fiber Optic Pigtail, 3mm, 3.0m		5.11	4.70	4.29	3.88
OM3, 50/125 10 Gig Fiber Optic Pigtails with 3mm OFNR Jacket						
FPT3OM3-LC-AQU-1	50/125 10 Gig OM3 Fiber Optic Pigtail, 3mm, 1.0m	Aqua	4.55	4.19	3.82	3.46
FPT3OM3-LC-AQU-2	50/125 10 Gig OM3 Fiber Optic Pigtail, 3mm, 2.0m	Aqua	5.42	4.99	4.55	4.12
FPT3OM3-LC-AQU-3	50/125 10 Gig OM3 Fiber Optic Pigtail, 3mm, 3.0m	Aqua	6.29	5.79	5.28	4.78



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CONNECTOR LEGEND

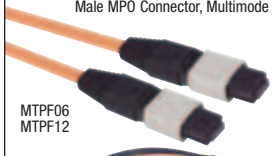

ST Connector, Multimode


SC Connector, Multimode


LC Connector, Multimode


Female MPO Connector, Multimode


Male MPO Connector, Multimode


MTPF06
MTPF12

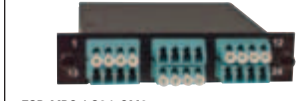

MTPM06-ST

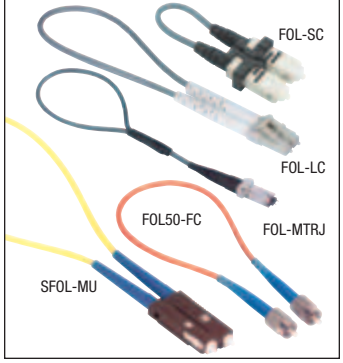

MTPM06-SC


MTPM12-LC


FOA-012


FSP-MPO-SC12-OM3


FSP-MPO-LC24-OM3



Item #	Description	List Price

MPO Multifiber Ribbon 62.5 Multimode Cable and Fanout Assemblies

These multifiber assemblies provide advantages in size offering 12 times the density when compared to the same size SC connector. Factory terminated and tested, this system provides significant installation time savings. A push-pull design is utilized for easy mating and removal. Fanout assemblies are ideal for making connections within rack mounted or wall mounted fiber enclosures that utilize single fiber connectors.

6 or 12 MPO Female Fiber Ribbon 62.5 Multimode Cable with OFNR Jacket

MTPF06-25	6 Fiber Ribbon Cable, MPO Female / Female, 25.0m	129.00
MTPF06-50	6 Fiber Ribbon Cable, MPO Female / Female, 50.0m	199.00
MTPF06-100	6 Fiber Ribbon Cable, MPO Female / Female, 100.0m	349.00
MTPF12-25	12 Fiber Ribbon Cable, MPO Female / Female, 25.0m	159.00
MTPF12-50	12 Fiber Ribbon Cable, MPO Female / Female, 50.0m	249.00
MTPF12-100	12 Fiber Ribbon Cable, MPO Female / Female, 100.0m	429.00

6 or 12 MPO Male ST Fiber Ribbon 62.5 Multimode Fanout Cable with OFNR Jacket

MTPM06-ST-05	6 Fiber Ribbon Fanout Cable, MPO Male / ST Male, 5.0m	75.00
MTPM06-ST-10	6 Fiber Ribbon Fanout Cable, MPO Male / ST Male, 10.0m	89.00
MTPM12-ST-05	12 Fiber Ribbon Fanout Cable, MPO Male / ST Male, 5.0m	110.00
MTPM12-ST-10	12 Fiber Ribbon Fanout Cable, MPO Male / ST Male, 10.0m	129.00

6 or 12 MPO Male SC Fiber Ribbon 62.5 Multimode Fanout Cable with OFNR Jacket

MTPM06-SC-05	6 Fiber Ribbon Fanout Cable, MPO Male / SC Male, 5.0m	75.00
MTPM06-SC-10	6 Fiber Ribbon Fanout Cable, MPO Male / SC Male, 10.0m	89.00
MTPM12-SC-05	12 Fiber Ribbon Fanout Cable, MPO Male / SC Male, 5.0m	110.00
MTPM12-SC-10	12 Fiber Ribbon Fanout Cable, MPO Male / SC Male, 10.0m	129.00

6 or 12 MPO Male LC Fiber Ribbon 62.5 Multimode Fanout Cable with OFNR Jacket

MTPM06-LC-01	6 Fiber Ribbon Fanout Cable, MPO Male / LC Male, 1.0m	75.00
MTPM06-LC-05	6 Fiber Ribbon Fanout Cable, MPO Male / LC Male, 5.0m	86.00
MTPM06-LC-10	6 Fiber Ribbon Fanout Cable, MPO Male / LC Male, 10.0m	100.00
MTPM12-LC-01	12 Fiber Ribbon Fanout Cable, MPO Male / LC Male, 1.0m	110.00
MTPM12-LC-05	12 Fiber Ribbon Fanout Cable, MPO Male / LC Male, 5.0m	125.00
MTPM12-LC-10	12 Fiber Ribbon Fanout Cable, MPO Male / LC Male, 10.0m	144.00

Item #	Description	Color	1-9	10-24	25-99	100-249	250-499

Coupler for MPO Connectors - Mates Two MPOs

Note: Use of this coupler requires one of the two mating connectors to have alignment pins.

FOA-012	Coupler for 4, 6, 8 or 12 Port Ferrule MPO Connectors		18.95	18.19	17.43	16.11	14.21

MPO Cassettes

FSP-MPO-SC12-OM1	MPO Cassette 1-MPO-M / 12 SC OM1	Beige	274.98	263.98	252.98	241.98	230.98
FSP-MPO-SC12-OM2	MPO Cassette 1-MPO-M / 12 SC OM2	Beige	274.98	263.98	252.98	241.98	230.98
FSP-MPO-SC12-OM3	MPO Cassette 1-MPO-M / 12 SC OM3	Aqua	284.98	273.58	262.18	250.78	239.38
FSP-MPO-SC12-OS1	MPO Cassette 1-MPO-M / 12 SC OS1	Blue	294.98	283.18	271.38	259.58	247.78
FSP-MPO-LC24-OM1	MPO Cassette 2-MPO-M / 24 LC OM1	Beige	497.98	478.06	458.14	438.22	418.30
FSP-MPO-LC24-OM2	MPO Cassette 2-MPO-M / 24 LC OM2	Beige	497.98	478.06	458.14	438.22	418.30
FSP-MPO-LC24-OM3	MPO Cassette 2-MPO-M / 24 LC OM3	Aqua	514.98	494.38	473.78	453.18	432.58
FSP-MPO-LC24-OS1	MPO Cassette 2-MPO-M / 24 LC OS1	Blue	529.98	508.78	487.58	466.38	445.18

Item #	Description	List Price

Multimode (62.5/125) Loopbacks - Utilizing SC, LC, FC and MT-RJ Connectors

These handy assemblies are useful in a number of test applications. A generous yet manageable fiber loop virtually eliminates bend loss. FC Loopbacks do not contain a clip. Custom configurations will be considered in modest minimums. Please contact our sales representatives for assistance.

FOL-SC	Fiber Loopback, SC, 62.5/125	12.95
FOL-LC	Fiber Loopback, LC, 62.5/125	14.95
FOL-FC	Fiber Loopback, FC, 62.5/125	12.95
FOL-MTRJ	Fiber Loopback, MT-RJ, 62.5/125	12.95
FOL-MTRJ-NP	Fiber Loopback, MT-RJ, 62.5/125, No Pins	11.95

Multimode (50/125) Loopbacks - Utilizing SC, LC, FC and MT-RJ Connectors

FOL50-SC	Fiber Loopback, SC, 50/125	12.95
FOL50-LC	Fiber Loopback, LC, 50/125	14.95
FOL50-FC	Fiber Loopback, FC, 50/125	12.95
FOL50-MTRJ	Fiber Loopback, MT-RJ, 50/125	12.95
FOL50-MTRJ-NP	Fiber Loopback, MT-RJ, 50/125, No Pins	11.95

Single mode (9/125) Loopbacks - Utilizing FC, MU, LC and MT-RJ Connectors

SFOL-FC	Fiber Loopback, FC, 9/125	13.95
SFOL-MU	Fiber Loopback, MU, 9/125	29.00
SFOL-LC	Fiber Loopback, LC, 9/125	18.95
SFOL-MTRJ	Fiber Loopback, MT-RJ, 9/125	13.95
SFOL-MTRJ-NP	Fiber Loopback, MT-RJ, 9/125, No Pins	12.95

L-com Global Connectivity

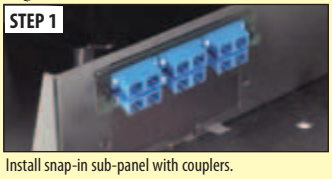
Customer Testimonials
Read why others choose L-com.
L-com.com/Testimonials

Item #	Description	List Price
19 inch (48.3cm) Rack Mounted Fiber Enclosures - For Splice Trays and Fiber Patch Panels		
FE-RM1U12PSP	Fiber Enclosure Rack Mount, 1U, with 3 FSP Series Sub-Panel Openings	179.98
FE-RM2U24PSP	Fiber Enclosure Rack Mount, 2U, with 4 FSP Series Sub-Panel Openings	204.98
FE-RM3U48PSP	Fiber Enclosure Rack Mount, 3U, with 8 FSP Series Sub-Panel Openings	259.98
FE-RM4U72PSP	Fiber Enclosure Rack Mount 4U, with 12 FSP Series Sub-Panel Openings	244.98
Wall Mounted Fiber Enclosures - To Mount Splice Trays and Fiber Patch Panels		
FE-WM12PP	Fiber Enclosure Wall Mount, with 2 FSP Series Sub-Panel Openings	81.98
FE-WM24PP	Fiber Enclosure Wall Mount, with 4 FSP Series Sub-Panel Openings	82.98
Splice Trays for Fiber Splices - Terminations and Distribution in Fiber Enclosures		
FE-ST7MC	Fiber Enclosure Splice Tray, 7 in (17.8 cm) with Metal Cover	19.99
FE-ST7PC	Fiber Enclosure Splice Tray, 7 in (17.8 cm) with Lexan® Cover	15.99
FE-ST875MC	Fiber Enclosure Splice Tray, 8.75 in (22.2 cm) with Metal Cover	26.99
FE-ST875PC	Fiber Enclosure Splice Tray, 8.75 in (22.2 cm) with Lexan® Cover	24.99
Splice Tray Mounting Assembly Bracket with Accessories		
FE-STMAB	Splice Tray Mounting Assembly Bracket with Accessories	18.59

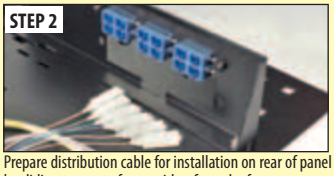
Item #	Description	1-9	10-24	25-99	100-249
Sub-Panels used to Populate FSP Series Patch Panels, FE & FSP DIN Rail Mount Enclosures					
FSP-BNK	Blank Sub-Panel	11.98	11.50	11.02	10.54
FSP-SCMTLC-BNK	Blank Sub-Panel with 6 SC Simplex/MT-RJ/LC Duplex Openings	11.98	11.50	11.02	10.54
FSP-MTRJ	Fiber Sub-Panel, 6 MT-RJ Couplers	35.98	33.10	30.22	27.34
FSP-SC-APC	Fiber Sub-Panel, 6 APC SC Simplex Couplers, Ceramic Sleeve	71.98	66.22	60.46	54.70
FSP-LCD6-BR	Fiber Sub-Panel, 6 LC Duplex Couplers, Bronze Sleeve	39.98	36.78	33.58	30.38
FSP-LCD6-CR	Fiber Sub-Panel, 6 LC Duplex Couplers, Ceramic Sleeve	51.98	47.82	43.66	39.50
FSP-SC-BR	Fiber Sub-Panel, 6 SC Simplex Couplers, Bronze Sleeve	35.98	33.10	30.22	27.34
FSP-SC-CR	Fiber Sub-Panel, 6 SC Simplex Couplers, Ceramic Sleeve	44.98	41.38	37.78	34.18
FSP-STFC-BNK	Blank Sub-Panel with 6 ST/FC Simplex Openings	11.98	11.50	11.02	10.54
FSP-ST-BR	Fiber Sub-Panel, 6 ST Couplers, Bronze Sleeve	32.98	30.34	27.70	25.06
FSP-ST-CR	Fiber Sub-Panel, 6 ST Couplers, Ceramic Sleeve	47.98	44.14	40.30	36.46
FSP-SCDLCQ6-BNK	Blank Sub-Panel with 6 SC Duplex/LC Quad Openings	14.98	14.38	13.78	13.18
FSP-LCD6-10G	Fiber Sub-Panel, 6 LC Duplex 10G Couplers, Bronze Sleeve	41.98	38.62	35.26	28.55
FSP-LCQ6-BR	Fiber Sub-Panel, 6 LC Duplex Couplers, Bronze Sleeve	110.68	101.83	92.97	84.12
FSP-LCQ6-CR	Fiber Sub-Panel, 6 LC Duplex Couplers, Ceramic Sleeve	134.68	123.91	113.13	102.36
FSP-SCD6-APC	Fiber Sub-Panel, 6 SC Duplex Couplers, Ceramic Sleeve	125.98	115.90	105.82	95.74
FSP-SCD6-BR	Fiber Sub-Panel, 6 SC Duplex Couplers, Bronze Sleeve	47.98	44.14	40.30	36.46
FSP-SCD6-CR	Fiber Sub-Panel, 6 SC Duplex Couplers, Ceramic Sleeve	62.98	57.94	52.90	47.86
FSP-KYSTN-BNK	Blank Sub-Panel with 4 Keystone Openings	11.98	11.50	11.02	10.54
FSP-ECF-BNK	Blank Sub-Panel with 3 ECF Style Openings	11.98	11.50	11.02	10.54
FSP-05D-BNK	Blank Sub-Panel with (4) 0.5" D-Hole Openings	11.98	11.50	11.02	10.54
Fiber Sub-Panel with 6 LC Keyed Multimode Couplers					
FSP-LCK-MM-PNK	Fiber Panel, 6 LC Keyed Multimode, Pink	99.98	95.98	91.98	87.98
FSP-LCK-MM-WHT	Fiber Panel, 6 LC Keyed Multimode, White	99.98	95.98	91.98	87.98
FSP-LCK-MM-YLW	Fiber Panel, 6 LC Keyed Multimode, Yellow	99.98	95.98	91.98	87.98
FSP-LCK-MM-RED	Fiber Panel, 6 LC Keyed Multimode, Red	99.98	95.98	91.98	87.98
FSP-LCK-MM-ORG	Fiber Panel, 6 LC Keyed Multimode, Orange	99.98	95.98	91.98	87.98
FSP-LCK-MM-VLT	Fiber Panel, 6 LC Keyed Multimode, Violet	99.98	95.98	91.98	87.98
FSP-LCK-MM-GRY	Fiber Panel, 6 LC Keyed Multimode, Gray	99.98	95.98	91.98	87.98
FSP-LCK-MM-CBT	Fiber Panel, 6 LC Keyed Multimode, Cobalt	99.98	95.98	91.98	87.98
FSP-LCK-MM-BRN	Fiber Panel, 6 LC Keyed Multimode, Brown	99.98	95.98	91.98	87.98
FSP-LCK-MM-TRQ	Fiber Panel, 6 LC Keyed Multimode, Turquoise	99.98	95.98	91.98	87.98
FSP-LCK-MM-MAG	Fiber Panel, 6 LC Keyed Multimode, Magenta	99.98	95.98	91.98	87.98
FSP-LCK-MM-OLV	Fiber Panel, 6 LC Keyed Multimode, Olive	99.98	95.98	91.98	87.98

Item #	Description	List Price
Plunger and Grommet Kit for FSP Series Sub-Panels - Pkg/50		
FSP-FASTENERS	Plunger and Grommet Kit for FSP Series Sub-Panels, Pkg/50	24.98

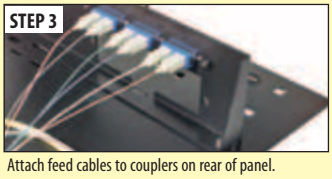
Tip ***Fiber enclosures secure sub-panels and cables***



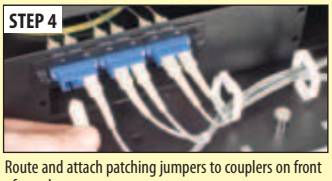
Install snap-in sub-panel with couplers.



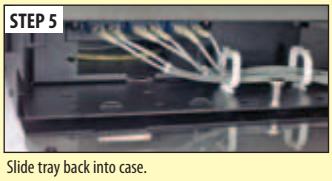
Prepare distribution cable for installation on rear of panel by sliding tray out of case, either from the front or rear.



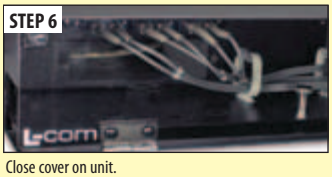
Attach feed cables to couplers on rear of panel.



Route and attach patching jumpers to couplers on front of panel.



Slide tray back into case.



Close cover on unit.


FE-RM1U12PSP

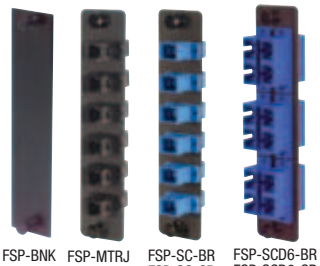

FE-WM24PP

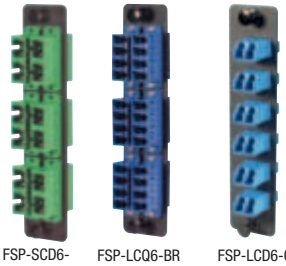

FE-ST7MC



FE-STMAB

Fiber Sub-Panels


FSP-BNK FSP-MTRJ FSP-SC-BR FSP-SC-CR FSP-SCD6-BR FSP-SCD6-CR


FSP-SCD6-APC FSP-LCQ6-BR FSP-LCQ6-CR FSP-LCD6-CR



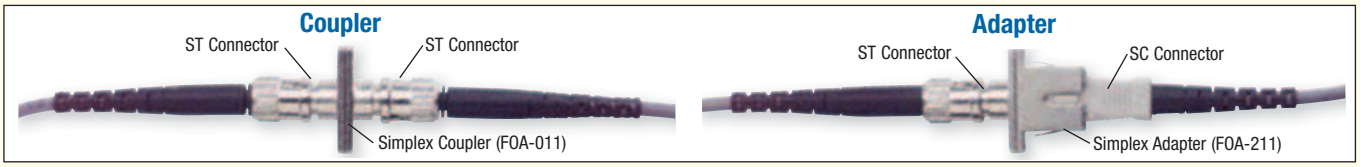
FSP-KYSTN-BNK FSP-ECF-BNK FSP-05D-BNK FSP-LCK-MM-PNK

Assembling and using a fiber optic enclosure
See the free video tip and more at
L-com.com/Videos/A27

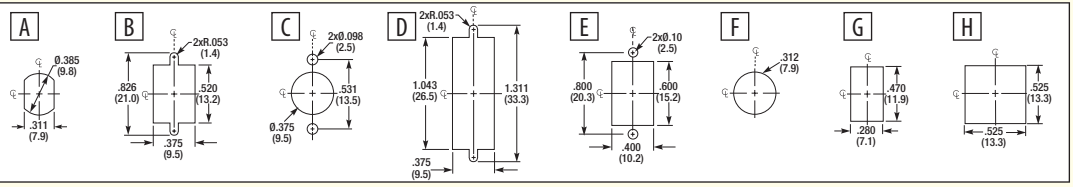
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Fiber Optic Couplers and Adapters

These devices are used to join together individual connectorized fiber assemblies. They are often used in a patch panel and are mounted on sub-panels. If the two fiber assemblies to be connected have the same style fiber connectors (ST to ST, SC to SC, etc.) then the connecting device is called a coupler. If the two fiber assemblies to be connected have different style connectors then the connecting device is called an adapter.



Common Adapter Mounting Diagrams





Item #	Description	Body	Sleeve	Mtg. Code	1-9	10-24	25-99	100-249	250-499
ST to ST Simplex Fiber Optic Couplers									
FOA-001	Simplex ST Fiber Coupler	Metal	Bronze	A	3.00	2.88	2.76	2.55	2.25
FOA-001A	Simplex ST Fiber Coupler	Metal	Ceramic	A	5.00	4.80	4.60	4.25	3.75
FOA-011	Simplex ST Fiber Coupler	Metal	Bronze	B	3.00	2.88	2.76	2.55	2.25
FOA-011A	Simplex ST Fiber Coupler	Metal	Ceramic	B	5.00	4.80	4.60	4.25	3.75
ST to ST Duplex Fiber Optic Couplers									
FOA-401	Duplex ST Fiber Coupler	Metal	Bronze	D	5.00	4.80	4.60	4.25	3.75
FOA-401A	Duplex ST Fiber Coupler	Metal	Ceramic	D	10.00	9.60	9.20	8.50	7.50
SC to SC Simplex Fiber Optic Couplers									
FOA-002	Simplex SC Fiber Coupler	Plastic	Bronze	B	4.00	3.84	3.68	3.40	3.00
FOA-002A	Simplex SC Fiber Coupler	Plastic	Ceramic	B	5.50	5.28	5.06	4.67	4.13
FOA-002M	Simplex SC Fiber Coupler	Metal	Bronze	B	5.00	4.80	4.60	4.25	3.75
FOA-002MA	Simplex SC Fiber Coupler	Metal	Ceramic	B	7.50	7.20	6.90	6.38	5.63
SC to SC Duplex Fiber Optic Couplers									
FOA-005	Duplex SC Fiber Coupler	Plastic	Bronze	D	5.50	5.28	5.06	4.67	4.13
FOA-005A	Duplex SC Fiber Coupler	Plastic	Ceramic	D	8.00	7.68	7.36	6.80	6.00
FOA-005M	Duplex SC Fiber Coupler	Metal	Bronze	D	8.00	7.68	7.36	6.80	6.00
FOA-005MA	Duplex SC Fiber Coupler	Metal	Ceramic	D	10.00	9.60	9.20	8.50	7.50
FC to FC Simplex Fiber Optic Couplers									
FOA-003	Simplex FC Fiber Coupler	Metal	Bronze	C	6.50	6.24	5.98	5.52	4.88
FOA-003A	Simplex FC Fiber Coupler	Metal	Ceramic	C	9.50	9.12	8.74	8.07	7.13
FOA-013	Simplex FC Fiber Coupler	Metal	Bronze	B	6.50	6.24	5.98	5.52	4.88
FOA-013A	Simplex FC Fiber Coupler	Metal	Ceramic	B	9.50	9.12	8.74	8.07	7.13
FOA-033	Simplex FC Fiber Coupler	Metal	Bronze	A	6.50	6.24	5.98	5.52	4.88
FOA-033A	Simplex FC Fiber Coupler	Metal	Ceramic	A	9.50	9.12	8.74	8.07	7.13
SMA to SMA Fiber Optic Coupler									
FOA-004	SMA Fiber Coupler	Metal	None	F	24.95	23.45	21.96	20.46	18.96
LC to LC Simplex/Duplex Fiber Optic Couplers									
FOA-500A	Simplex LC Fiber Coupler	Plastic	Ceramic	G	9.95	9.55	9.15	8.46	7.46
FOA-550A	Duplex LC Fiber Coupler	Plastic	Ceramic	H	13.75	13.20	12.65	11.69	10.31
FOA-801	Duplex LC Fiber Coupler	Plastic	Ceramic	B	12.95	12.69	12.43	12.17	11.91
FOA-802	Duplex LC Fiber Coupler	Plastic	Bronze	B	5.95	5.83	5.71	5.59	5.47
FOA-803	Duplex LC Fiber Coupler	Plastic	Bronze	H	3.95	3.87	3.79	3.71	3.63
LC to LC Quad Fiber Optic Couplers									
FOA-560	Quad LC Fiber Coupler	Plastic	Bronze	D	15.95	15.31	14.67	13.56	11.96
FOA-570	Quad LC Fiber Coupler	Plastic	Ceramic	D	19.95	19.15	18.35	16.96	14.96
MT-RJ to MT-RJ Fiber Optic Coupler									
Use of this coupler requires one of the two mating MT-RJ connectors to contain alignment pins.									
FOA-600	MT-RJ Fiber Coupler	Plastic	None	B	4.00	3.84	3.68	3.40	3.00
MPO to MPO Fiber Optic Coupler									
FOA-012	MPO Fiber Coupler	Plastic	None	E	18.95	18.19	17.43	16.11	14.21
Fiber Optic APC Simplex and Duplex Couplers									
In order to achieve low back reflection values some fiber assemblies utilize a connector with an Angled Polish Contact (APC). These APC connectors require special couplers that have tight tolerance alignment slots to assure proper orientation of the mated APC connectors. The APC couplers are specifically designed for this application.									
SC to SC Simplex/Duplex APC Fiber Optic Couplers									
FOA-017	Simplex SC APC Coupler	Plastic	Ceramic	B	10.00	9.60	9.20	8.50	7.50
FOA-018	Duplex SC APC Coupler	Plastic	Ceramic	D	18.50	17.76	17.02	15.72	13.88
FC to FC Simplex APC Fiber Optic Coupler									
FOA-019	Simplex FC APC Coupler	Metal	Ceramic	A	15.00	14.40	13.80	12.75	11.25
LC to LC Simplex/Duplex APC Fiber Optic Couplers, No Flange									
FOA-804	Simplex LC APC Coupler	Plastic	Ceramic	G	13.95	13.39	12.83	11.86	10.46
FOA-805	Duplex LC APC Coupler	Plastic	Ceramic	H	14.95	14.35	13.75	12.71	11.21

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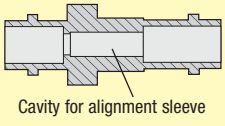
What is the difference between a fiber optic coupler and adapter?
A coupler typically connects like connectors (i.e. SC to SC), while adapters connect different connectors (i.e. SC to FC).

Item #	Description	Body	Sleeve	Mtg. Code	1-9	10-24	25-99	100-249	250-499
Fiber Optic Simplex/Duplex Adapters									
These fiber optic adapters are offered in both simplex and duplex configurations and in some cases with both plastic and metal bodies. Alignment sleeves of both bronze and ceramic are offered in most cases.									
ST to SC Simplex Fiber Optic Adapters									
FOA-201	Simplex ST-SC Fiber Adapter	Metal	Bronze	C	8.00	7.68	7.36	6.80	6.00
FOA-211	Simplex ST-SC Fiber Adapter	Metal	Bronze	B	5.00	4.80	4.60	4.25	3.75
FOA-211A	Simplex ST-SC Fiber Adapter	Metal	Ceramic	B	9.50	9.12	8.74	8.07	7.13
ST to SC Duplex Fiber Optic Adapters									
FOA-006	Duplex ST-SC Fiber Adapter	Plastic	Ceramic	D	10.50	10.08	9.66	8.92	7.88
FOA-006M	Duplex ST-SC Fiber Adapter	Metal	Bronze	D	10.50	10.08	9.66	8.92	7.88
FOA-006MA	Duplex ST-SC Fiber Adapter	Metal	Ceramic	D	14.50	13.92	13.34	12.32	10.88
ST to FC Simplex Fiber Optic Adapters									
FOA-301	Simplex ST-FC Fiber Adapter	Metal	Bronze	C	9.25	8.88	8.51	7.86	6.94
FOA-311	Simplex ST-FC Fiber Adapter	Metal	Bronze	B	3.50	3.36	3.22	2.98	2.63
FOA-311A	Simplex ST-FC Fiber Adapter	Metal	Ceramic	B	10.50	10.08	9.66	8.92	7.88
SC to FC Simplex Fiber Optic Adapter									
FOA-302	Simplex SC-FC Fiber Adapter	Metal	Bronze	C	9.25	8.88	8.51	7.86	6.94
LC to SC Simplex Fiber Optic Adapters									
FOA-014	Simplex LC-SC Fiber Adapter	Plastic	Ceramic	B	42.00	41.16	40.32	39.48	38.64
FOA-020A	Simplex LC-SC Fiber Adapter	Plastic	Nickel	B	32.00	31.36	30.72	30.08	29.44
Fiber Optic Bulkhead Coupler Kit - Great for Tool Kits									
The FOA-123 Fiber Optic Bulkhead Coupler Kit comes complete with two ST-ST couplers (FOA-001), two SC-SC couplers (FOA-002), one FC-FC coupler (FOA-003) and a handy four compartment carrying case.									
FOA-123	Fiber Optic Bulkhead Coupler Kit				19.99	19.59	19.19	18.79	18.39
Fiber Optic Adapter Kit - Versatile and Handy									
This kit contains commonly used fiber adapters in a convenient four compartment carrying case for easy storage. All fiber adapters are simplex and utilize a bronze alignment sleeve. This allows adapting between all the popular interfaces such as ST, SC and FC. Fiber adapter part numbers included in the kit are FOA-201 (ST-SC), FOA-301 (ST-FC) and FOA-302 (SC-FC).									
FOA-231	Fiber Optic Adapter Kit				49.99	48.99	47.99	46.99	45.99
Fiber Optic Coupler/Adapter Kit - Complete Flexibility									
This kit contains one each of all the fiber couplers in FOA-123 and fiber adapters in FOA-231 plus FOA-004 (SMA-SMA), FOA-500A (LC-LC), FOA-701 (MU-MU), FOA-600 (MT-RJ-MT-RJ) and FOA-012 (MPO-MPO). This is the most complete kit of fiber adapters and couplers we offer allowing connections between all like interfaces and adapting from one style interface to another.									
FOA-321	Fiber Optic Coupler / Adapter Kit				89.00	87.22	85.44	83.66	81.88



Tip ***What are alignment sleeves?***

The alignment sleeve is the most critical component of a fiber optic adapter. Bronze sleeves are more durable but the precision is not as good as ceramic. Ceramic ferrules offer a more precise alignment, but they are somewhat less durable. Bronze alignment sleeves are commonly used in multimode applications where precision alignment is not as critical.



CERAMIC
- Better alignment
- More expensive

BRONZE
- Better durability
- Less expensive

Fiber Optic Coupler/Adapter Selection Matrix

Use this matrix to locate the fiber optic coupler or adapter with the desired interface combination and with the appropriate body and alignment sleeve material.

If a specific type is not listed, please visit our web site at **L-com.com** for the latest information or call our technical support group at **800-343-1455** for assistance.

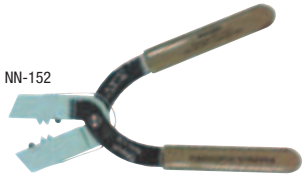
		SIMPLEX							DUPLEX				QUAD	
	BODY MATERIAL	METAL	METAL	METAL	PLASTIC	PLASTIC	PLASTIC	PLASTIC	METAL	METAL	PLASTIC	PLASTIC	PLASTIC	PLASTIC
	ALIGNMENT SLEEVE MATERIAL	BRONZE	CERAMIC	NONE	BRONZE	CERAMIC	NICKEL	NONE	BRONZE	CERAMIC	BRONZE	CERAMIC	BRONZE	CERAMIC
COUPLERS	ST to ST	FOA-001 FOA-011	FOA-001A FOA-011A						FOA-401	FOA-401A				
	SC to SC	FOA-002M	FOA-002MA		FOA-002	FOA-002A FOA-017 (APC)			FOA-005M	FOA-005MA	FOA-005	FOA-005A FOA-018 (APC)		
	FC to FC	FOA-003 FOA-013 FOA-033	FOA-003A FOA-013A FOA-033A FOA-019 (APC)											
	SMA906 to SMA906			FOA-004										
	LC to LC					FOA-500A FOA-804 (APC)					FOA-802 FOA-803	FOA-550A FOA-805 (APC) FOA-801	FOA-560	FOA-570
	MT-RJ to MT-RJ							FOA-600						
	MPO to MPO							FOA-012						
ADAPTERS	ST to SC	FOA-201 FOA-211	FOA-211A						FOA-006M	FOA-006MA		FOA-006		
	ST to FC	FOA-301 FOA-311	FOA-311A											
	SC to FC	FOA-302												
	SC to LC					FOA-014	FOA-020A							

We want to help you!
See a complete list of free tips, tutorials and videos at L-com.com/Resources

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FJS-3


86-12SF


NN-152


CFS-2


CC-125

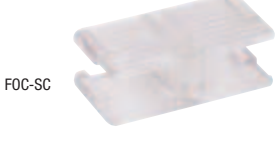


FOC-CA

FOC-AP

FOC-KN


FOC-EYE


FOC-SC

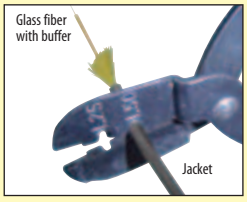
Item #	Description	1-9	10-24	25-99	100-249

Miller® Fiber Optic Termination Tools - Highest Quality at Affordable Prices

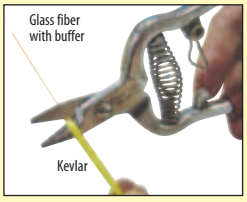
L-com is pleased to distribute Miller® fiber optic tools. We chose Miller for their reputation in the industry for high quality tools that are affordable. All tools are made in the U.S.A. and are fully guaranteed against defects in workmanship or material.

Tip How to use fiber optic termination tools

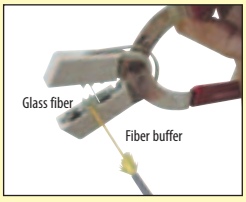
There are a number of commonly used tools that are utilized to terminate a fiber optic cable with a connector. Below are illustrations of how each of these tools is used.



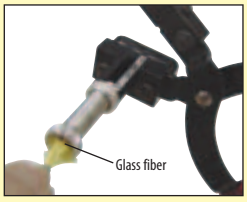
The fiber optic jacket stripper (FJS-3) is used to remove the fiber optic cable outer jacket.



The Kevlar shears (86-12SF) are used to trim back the Kevlar strength member commonly found in breakout fiber cable.



The fiber optic stripper strips the buffer coating that protects the fiber. A number of strippers are available for various fiber sizes.



The fiber optic cleaver (CC-125) is used to trim the glass fiber accurately. A cleanly cleaved fiber is essential for optimum performance.

Miller® Fiber Optic Jacket Stripper

The Miller Fiber jacket stripper and cutter was designed to strip and cut 26-16 AWG (.40-1.3mm) wire sizes. This economical and easy to use tool is a must for fiber installers.

FJS-3	Fiber Optic Jacket Stripper	9.95	CALL	CALL	CALL

Miller® High Leverage Kevlar® Shears - Cut Teflon Easily

With a non-slip serrated blade, this tool provides the solution for trimming back the DuPont Kevlar® that serves as the central strength member in optical fiber. The tool is made of hot-forged, high carbon steel for long life. It has a quick action spring response so the tool is ready when you are. Its high leverage provides a powerful cutting action.

86-12SF	Kevlar Shears with Cushioned Grip	20.00	19.60	19.20	18.80

Miller® No-Nik Fiber Optic Strippers - Strips Buffer Coating

No-Nik fiber optic strippers meet the most stringent specifications. When used properly, they are 100% reliable! Plastic heads, which make contact only with the buffer, center and support your work on both sides. Cutting blades made from razor quality steel score the buffer completely. Back-up blades support the cutting blades, nest positively and lock up when the tool is closed to maintain perfect concentricity. Buffer being removed acts as guide and protection for the fiber. Color-coded handles ensure proper tool selection, quickly and easily. **Note:** The NN-203 is the most popular choice for 125 micron fiber.

NN-152	No-Nik Stripper, 152 µm Min. Dia. Strip (Gold)	34.95	34.25	33.55	32.85
NN-175	No-Nik Stripper, 175 µm Min. Dia. Strip (Mustard)	34.95	34.25	33.55	32.85
NN-203	No-Nik Stripper, 203 µm Min. Dia. Strip (Red)	34.95	34.25	33.55	32.85
NN-254	No-Nik Stripper, 254 µm Min. Dia. Strip (Lt. Blue)	34.95	34.25	33.55	32.85
NN-305	No-Nik Stripper, 305 µm Min. Dia. Strip (White)	34.95	34.25	33.55	32.85

Miller® Comfort Fit Fiber Optic Stripper - Cuts Jacket Plus Strips Buffer Coating

This tool has a 1.0mm radiused blade and a 140µm V blade specifically designed for stripping jacket and buffer from 125 micron fiber. Ergonomically designed handle reduces user fatigue.

CFS-2	Comfort Fit Fiber Optic Stripper	28.00	27.44	26.88	26.32

Miller® Fiber Optic Safety Cleaver - Holds Cleaved Fiber for Disposal

The CC-125 is a professional tool that cleaves fiber consistently and accurately. It accommodates glass fibers with 125µm nominal cladding diameters. An additional safety feature is that cleaved fiber splinters are stored within the tool for proper disposal. Carbide blade is conservatively rated at 1000 uses.

CC-125	Fiber Optic Safety Cleaver	225.00	220.50	216.00	211.50

Fiber Optic Consumables - Commonly Used Fiber Optic Cleaning Components

Cleaning fiber optic connections is crucial for proper optical transmission. Compressed air is great for cleaning couplers and connector ends. Kimwipes are lint free tissues, commonly used for cleaning glass surfaces.

FOC-CA	Compressed Air, 12 oz. Can	9.95	9.35	8.76	8.16
FOC-KN	4.5" x 8.5" (11.4cm x 21.6cm) Box Kimwipes, 280 Count	4.95	4.85	4.75	4.65
FOC-AP	Pre-moistened Alcohol Pads, 20 Count	9.95	9.75	9.55	9.35

Fiber Optic Pulling Eye for Duplex Cable Assemblies

A pulling eye is used to protect the terminated end of fiber cable assemblies when pulling through walls or ceilings. 16" long x 0.75" (40.6 x 1.9 cm) diameter plastic tube fits most cables with two connectors.

FOC-EYE	Dual Fiber Pulling Eye	26.95	25.33	23.72	22.10

Duplex Clips for SC Connectors

These handy duplex clips can be used to join two individual SC connectors together to become a duplex assembly. These one piece clips simply snap into place securely connecting the two individual connectors together. These clips can be used on virtually any simplex SC connector and can be removed and reattached as needed.

FOC-SC	SC Duplex Clip	1.75	1.61	1.47	1.33

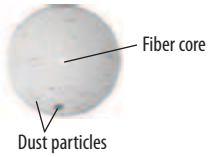
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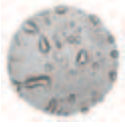
We answer your technical questions
See a complete list of frequently asked questions at
L-com.com/FAQS

Tip Avoid the number one cause of fiber optic network failure

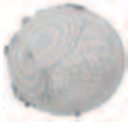
In fiber optic networks, the number one cause of network failure is not cable breakage. It is actually dirty or damaged connectors.

In a fiber optic coupling, connectors are in physical contact with each other. Picture a small rock placed between two pieces of glass and then pressed together. This is similar to what a particle of dust is in relation to the glass fiber. Below are images of common problems found on connectors installed in the field.





Fingerprint oil



Isopropyl Alcohol

Note: One of the dust particles is larger than the fiber in the center of the connector. This dust, if it covered the fiber, would completely block the light from passing through.

Connectors need to be cleaned before any connection is made. If the cable is disconnected, it needs to be cleaned again. This is a simple process especially with the Senko SMART Cleaner. Just insert the cleaner into the port and then use the same cleaner on the cable connector.

Before Cleaning

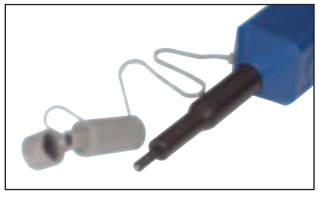


After Cleaning



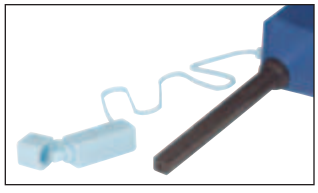


FOC-SC250





FOC-SC125



Item #	Description	List Price

Fiber Optic Cleaner for SC, FC, and ST Connectors

The Senko Fiber Optic Cleaner for SC, FC and ST simplex connections is a dry cloth cleaner specially designed to clean single fiber connectors. The dust cap of the cleaner acts as an adapter for cleaning unmated connectors. The FOC-SC250 Fiber Optic Cleaner is simple, easy to use and highly effective at removing oil and dust contaminants that can inhibit optical performance.

FOC-SC250	Fiber Optic Cleaner for SC, FC and ST Connectors	69.95

Fiber Optic Cleaner for LC and MU Connectors

Working with LC connectors often means technicians are faced with a high volume of the connectors, making it difficult to get in between to service and clean them. Using Senko's Fiber Optic Cleaner specifically made to be used with LC connectors is the perfect solution with its thin, extendable shaft that can easily get into hard to reach areas.

FOC-SC125	Fiber Optic Cleaner for LC and MU Connectors	69.95

Item #	Description	1-9	10-24	25-99	100-249	250-499

Hellermann-Tyton Fiberclean - Fiber Optic Connector Cleaning System

This is a convenient, economical and easy to use cleaning dispenser system for your fiber optic connectors. This hand held device exposes a portion of "ultra white", non-woven, lint free material sufficient to clean up to six connectors. Used cleaning material is dispensed out of the back of the unit. Up to 400 connectors can be cleaned with a single dispenser.

F01	Fiberclean Dispenser with Cleaning Film	19.50	18.33	17.16	15.99	CALL
F01REF	Fiberclean Cleaning Film Refills	15.15	14.24	13.33	12.42	CALL



F01

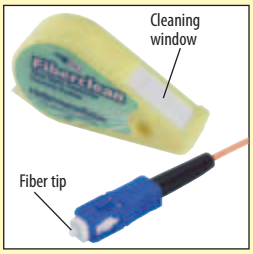


F01REF

Keep fiber cables clean to maintain performance

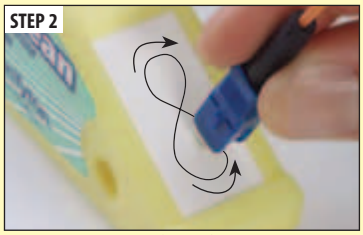
Online Video
L-com.com/Videos/A05

It is critically important for fiber optic connectors to be free of dust and dirt to maintain optimum performance. A simple and effective way to do this is to clean the ends of your fiber optic cables often when they are disconnected, as illustrated.



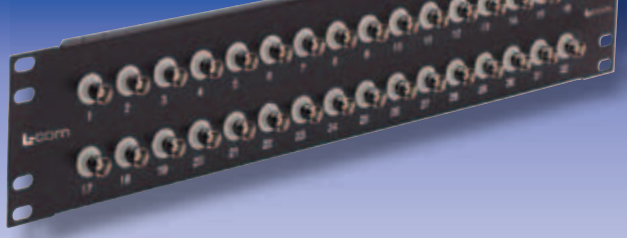


Softly press fiber tip in cleaning window using a figure 8 motion.



Repeat 3 times, inspecting fiber tip for cleanliness.

Customer Testimonials
Read why others choose L-com.
L-com.com/Testimonials



Patch Panels / Racks Tutorial

What are racks, enclosures and patch panels?

Racks, enclosures and patch panels are typically constructed of steel, sheet metal and plastic and are used to secure and organize cables and communications equipment in a data center.

How are racks, enclosures and patch panels used?

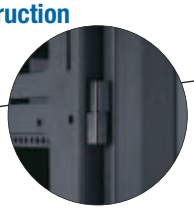
Patch panels are screwed in to the racks and enclosures. Patch panels are populated with couplers and adapters of various types which allow connection points for patch cables.

Where are racks, enclosures and patch panels used?

Racks, enclosures and patch panels are mostly used in data closets and larger data centers and are used by commercial business, governments, the military and many other industries.

Rack and Enclosure Construction

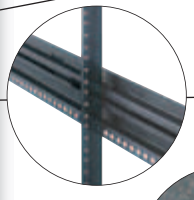




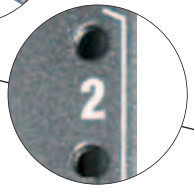
Metal Hinge allows users to mount the door without removing equipment



Standard Solid Rear Door features a spring loaded latch to keep door closed



Rear Rack Rail is adjustable to fit specific equipment needs



10-32 threaded rack rail features numbered rackspace increments to speed equipment loading

SEISMIC RATED

Seismic Rated to Uniform Building Code Zone 4 for up to 1,000 lbs (454.5kg) of equipment when installed with WRK-Z4 Mounting Bracket

c UL us LISTED

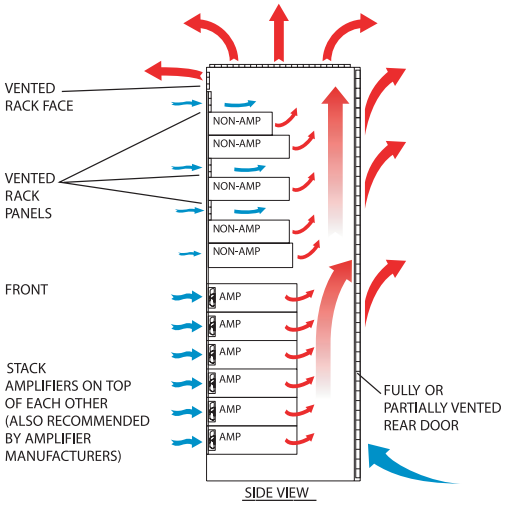
Enclosures are UL Listed with a weight capacity of up to 2,500 lbs (1136.4kg)

Middle Atlantic Products, Inc.
www.middleatlantic.com

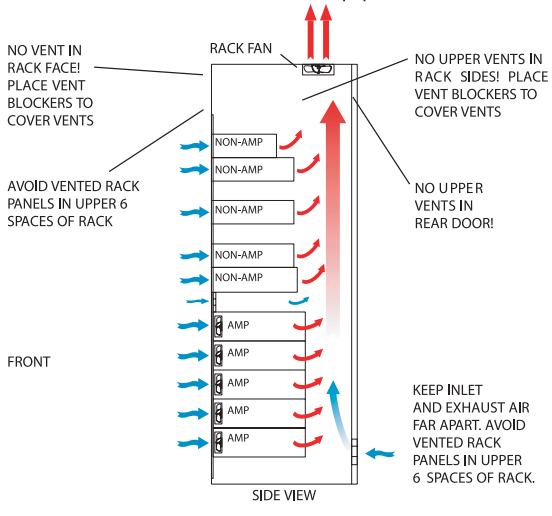
The racks and enclosures manufactured by Middle Atlantic Products have been designed specifically to address both the needs of the equipment that is being mounted, as well as to address any limitations or restrictions of the jobsite. In addition, these racks are contractor-friendly and have been designed with many essential time-saving features.

Thermal Management Best Practices

PROPER
PASSIVE CONVECTION
with front-intakes on equipment



PROPER
FORCED AIR
with front-intakes on equipment



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Server Cabinet



- Fully vented front and split rear doors
- Fully vented top
- Temperature sensor
- Cable management
- Power distribution
- Cage nut rackrail
- Hardware
- Other options available

WMRK Series

Security Cabinet



- Fully welded construction, open sides
- 2,500 lb (1136.4kg) weight capacity
- Seismic certified (1994 UBC for seismic zone 4) for protecting 1,000 lbs (454.5kg) of essential equipment when used in conjunction with the WRK-Z4 brackets
- Generous 24.25" (61.6cm) OD width provides room for cables
- 2 extra-wide pairs of 10-32 threaded rackrail standard
- Grounding and bonding stud installed in base

WRK Series

Network Cabinet



- 30" (76.2cm) OD width, 31.5" (80cm), 36" (91.4cm) and 42" (106.7cm) OD depth
- Fully welded construction provides a 2,500 lb (1136.4kg) weight capacity
- Seismic certified (UBC 1997 & CBC 1998 Zone 4; IBC 2000, IBC 2003, ASCE7-01, NFPA 5000 Seismic Use Group III) for protecting 750 lbs (340.9kg) of essential equipment when used in conjunction with the MRK-Z4 brackets
- Vented rear door standard
- .125" (0.3cm) thick structural steel internal braces include 100 rack screws
- Grounded and bonding stud installed in base

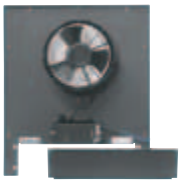
DRK Series

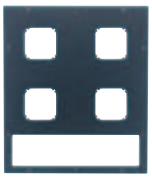
Item #	Racking Height	Overall Height	Shipping Weight	1-9	10-24	25-49	100-249
36-42" (91.4cm - 106.7cm) Outside Depth Server Cabinets							
WMRK-2436SVR	42" (106.7cm) (24 Space)	48.63" (123.5cm)	270 lbs (122.7kg)	2539.32	2488.53	2386.96	1904.49
WMRK-2436SVR-AB	42" (106.7cm) (24 Space)	48.63" (123.5cm)	205 lbs (93.2kg)	2023.20	1982.74	1901.81	1517.40
WMRK-4236SVR	73.50" (186.7cm) (42 Space)	80.07" (203.4cm)	230 lbs (122.7kg)	2838.65	2781.88	2668.33	2128.99
WMRK-4236SVR-AB	73.50" (186.7cm) (42 Space)	80.07" (203.4cm)	165 lbs (104.5kg)	2167.70	2124.35	2037.64	1625.77
WMRK-4242SVR	73.50" (186.7cm) (42 Space)	80.07" (203.4cm)	245 lbs (111.4kg)	3024.47	2963.98	2843.00	2268.35
WMRK-4242SVR-AB	73.50" (186.7cm) (42 Space)	80.07" (203.4cm)	180 lbs (81.8kg)	2322.55	2276.10	2183.20	1741.91
27.5" (69.9cm) Outside Depth 25.75" (65.4cm) Stand Alone, Non-Gangable Network Enclosures with Side Panels							
WRKSA-2427	42" (106.7cm) (24 Space)	48.13" (122.3cm)	146 lbs (66.4kg)	956.60	937.47	899.20	717.45
WRKSA-3727	64.75" (164.5cm) (37 Space)	70.88" (180.0cm)	202 lbs (91.8kg)	1089.80	1068.00	1024.41	817.35
WRKSA-4027	70" (177.8cm) (40 Space)	76.13" (193.4cm)	212 lbs (96.4kg)	1162.43	1139.18	1092.68	871.82
WRKSA-4427	77" (195.6cm) (44 Space)	83.13" (211.2cm)	226 lbs (102.7kg)	1198.79	1174.81	1126.86	899.09
WRKSA-4427LRD*	77" (195.6cm) (44 Space)	83.13" (211.2cm)	195 lbs (88.6kg)	1089.80	1068.00	1024.41	817.35
*Enclosure does not include rear door							
32.5" (82.6cm) Outside Depth 30.75" (78.1cm) Stand Alone, Non-Gangable Network Enclosures with Side Panels							
WRKSA-2432	42" (106.7cm) (24 Space)	48.13" (122.3cm)	164 lbs (74.5kg)	1041.35	1020.52	978.87	781.01
WRKSA-3732	64.75" (164.5cm) (37 Space)	70.88" (180.0cm)	218 lbs (99.1kg)	1162.43	1139.18	1092.68	871.82
WRKSA-4032	70" (177.8cm) (40 Space)	76.13" (193.4cm)	234 lbs (106.4kg)	1186.68	1162.95	1115.48	890.01
WRKSA-4432	77" (195.6cm) (44 Space)	83.13" (211.2cm)	250 lbs (113.6kg)	1295.65	1269.74	1217.91	971.74
WRKSA-4432LRD*	77" (195.6cm) (44 Space)	83.13" (211.2cm)	212 lbs (96.4kg)	1186.68	1162.95	1115.48	890.01
*Enclosure does not include rear door							
27.5" (69.9cm) Outside Depth 25.75" (65.4cm) Gangable Security/Data Cabinet Enclosures without Side Panels							
WRK-2427	42" (106.7cm) (24 Space)	48.13" (122.3cm)	124 lbs (56.4kg)	932.36	913.71	876.42	699.27
WRK-3727	64.75" (164.5cm) (37 Space)	70.88" (180.0cm)	160 lbs (72.7kg)	1053.46	1032.39	990.25	790.10
WRK-4027	70" (177.8cm) (40 Space)	76.13" (193.4cm)	168 lbs (76.4kg)	1126.15	1103.63	1058.58	844.61
WRK-4427	77" (195.6cm) (44 Space)	83.13" (211.2cm)	176 lbs (80.0kg)	1162.43	1139.18	1092.68	871.82
WRK-4427LRD*	77" (195.6cm) (44 Space)	83.13" (211.2cm)	152 lbs (69.1kg)	1053.46	1032.39	990.25	790.10
*Enclosure does not include rear door							
32.5" (82.6cm) Outside Depth 30.75" (78.1cm) Gangable Security/Data Cabinet Enclosures without Side Panels							
WRK-2432	42" (106.7cm) (24 Space)	48.13" (122.3cm)	138 lbs (62.7kg)	992.96	973.10	933.38	744.72
WRK-3732	64.75" (164.5cm) (37 Space)	70.88" (180.0cm)	178 lbs (80.9kg)	1101.93	1079.89	1035.81	826.45
WRK-4032	70" (177.8cm) (40 Space)	76.13" (193.4cm)	184 lbs (83.6kg)	1150.34	1127.33	1081.32	862.75
WRK-4432	77" (195.6cm) (44 Space)	83.13" (211.2cm)	181 lbs (82.3kg)	1198.79	1174.81	1126.86	899.09
WRK-4432LRD*	77" (195.6cm) (44 Space)	83.13" (211.2cm)	161 lbs (73.2kg)	1089.80	1068.00	1024.41	817.35
*Enclosure does not include rear door							
DRK Series 31.5" (80.0cm), 36" (91.4cm) and 42" (106.7cm) Networking Cabinet, Deep Enclosures with Vented Rear Door							
DRK19-44-31	77" (195.6cm) (44 Space)	83.50" (212.1cm)	195 lbs (88.6kg)	1797.66	1761.71	1689.80	1348.25
DRK19-44-31PRO	77" (195.6cm) (44 Space)	83.50" (212.1cm)	195 lbs (88.6kg)	1879.38	1841.79	1766.62	1409.54
DRK19-44-36	77" (195.6cm) (44 Space)	83.50" (212.1cm)	220 lbs (100.0kg)	1991.09	1951.27	1871.62	1493.32
DRK19-44-36PRO	77" (195.6cm) (44 Space)	83.50" (212.1cm)	220 lbs (100.0kg)	2072.72	2031.27	1948.36	1554.54
DRK19-44-42	77" (195.6cm) (44 Space)	83.50" (212.1cm)	240 lbs (109.1kg)	2211.06	2166.84	2078.40	1658.30
DRK19-44-42PRO	77" (195.6cm) (44 Space)	83.50" (212.1cm)	240 lbs (109.1kg)	2292.09	2246.25	2154.56	1719.07
R4CN Series 19" (48.3cm) Relay and 4 Post Universal Rack Enclosures with Cage Nut Rackrails							
R4CN-4524B	78.75" (200.0cm) (45 Space)	84.22" (213.9cm)	72 lbs (32.7kg)	716.43	702.10	673.44	537.32
R4CN-4530B	78.75" (200.0cm) (45 Space)	84.22" (213.9cm)	85 lbs (38.6kg)	874.47	856.98	822.00	655.85
R4CN-4536B	78.75" (200.0cm) (45 Space)	84.22" (213.9cm)	78 lbs (35.5kg)	948.22	929.26	891.33	711.16
R4CN-5124B	91" (231.1cm) (52 Space)	96.47" (245.0cm)	76 lbs (34.5kg)	777.01	761.47	730.39	582.76
R4CN-5130B	91" (231.1cm) (52 Space)	96.47" (245.0cm)	79 lbs (35.9kg)	908.71	890.54	854.19	681.53
R4CN-5136B	91" (231.1cm) (52 Space)	96.47" (245.0cm)	82 lbs (37.3kg)	987.73	967.98	928.47	740.80

Same day shipping
Orders placed before 4:00 EST ship the same day.

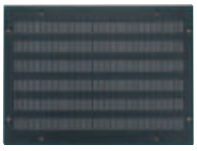
L-com® Global Connectivity


MW-10FT


MW-10FT-FC

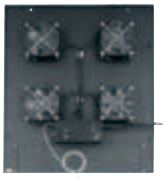

MW-4FT


ERK-4FT


ERK-VT


PVFD-44

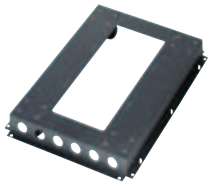

MW-4FT-380CFM


MW-4QFTFC

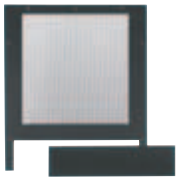

MW-6FT


ERK-4QFT-FC


FD-24


CBS-WRK-27


MW-6FT-660CFM


MW-VT


MW-ST


ERK-6FT-440CFM

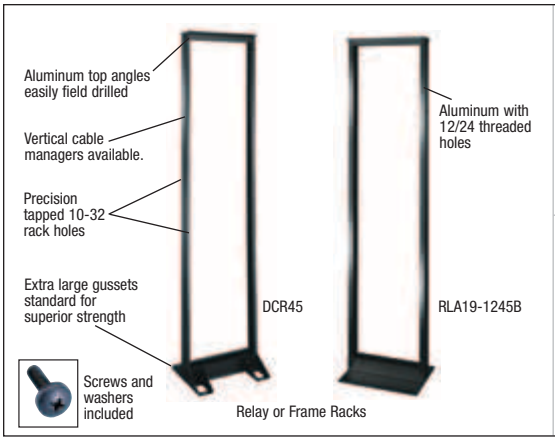

PFD-24


WRK-RR24

Item #	Description	Shipping Weight	1-9	10-24	25-49	100-249
Top Plate Options - For WRKSA, WRK and DRK Series Enclosures						
MW-10FT	10" (25.4cm) Fan Top (Excluding Fan)	11 lbs (5.0kg)	55.26	54.15	51.94	41.45
MW-10FT-FC	Integrated 10" (25.4cm) Fan Top, Includes 1 Fan and Proportional Speed Fan Control	15 lbs (6.9kg)	549.49	538.50	516.52	412.12
MW-10FT-550CFM	Integrated 10" (25.4cm) Fan Top, Includes 1 Fan, 550 Cfm	16 lbs (7.3kg)	414.64	406.35	389.76	310.98
MW-4FT	4.5" (11.4cm) Fan Top (Excluding Fans)	13 lbs (5.9kg)	55.26	54.15	51.94	41.45
MW-4FT-380CFM	Integrated 4.5" (11.4cm) Fan Top, Includes 4 Fans	18 lbs (8.2kg)	382.73	375.08	359.77	287.05
MW-4QFTFC	Integrated 4.5" (11.4cm) Fan Top, Includes 4 Quiet Fans	16 lbs (7.3kg)	632.09	619.45	594.16	474.07
MW-6FT	6" (15.2cm) Fan Top (Excluding Fans)	13 lbs (5.9kg)	53.37	52.30	50.17	40.03
MW-6FT-660CFM	Integrated 6" (15.2cm) Fan Top, Includes 3 Fans	14 lbs (6.4kg)	482.80	473.14	453.83	362.10
MW-LVT	64% Open Area Top	10 lbs (4.5kg)	83.42	81.75	78.41	62.56
MW-VT	Vented Top Plate	12 lbs (5.5kg)	55.26	54.15	51.94	41.45
MW-ST	Solid Top Plate	12 lbs (5.5kg)	55.26	54.15	51.94	41.45
Top Options Server Cabinet						
ERK-4FT	4.5" (11.4cm) Fan Top (Excluding Fans)	6 lbs (2.7kg)	44.51	43.62	41.84	33.38
ERK-4FT-285CFM	Integrated 4.5" (11.4cm) Fan Top, Includes 3 Fans	11 lbs (5.0kg)	301.10	295.08	283.03	225.83
ERK-4QFT-FC	Integrated 4.5" (11.4cm) Fan Top, Includes 3 Quiet Fans	11 lbs (5.0kg)	542.71	531.86	510.15	407.03
ERK-6FT	6" (15.2cm) Fan Top (Excluding Fans)	6 lbs (2.7kg)	43.00	42.14	40.42	32.25
ERK-6FT-440CFM	Integrated 6" (15.2cm) Fan Top, Includes 2 Fans	9 lbs (4.1kg)	346.17	339.25	325.40	259.63
ERK-ST	Solid Top for any WMRK or ERK Series Rack	6 lbs (2.7kg)	44.51	43.62	41.84	33.38
ERK-VT	Vented Top for any WMRK or ERK Series Rack	6 lbs (2.7kg)	44.51	43.62	41.84	33.38
Solid Front Door Options - For WRKSA and WRK Series Enclosures						
FD-24	Solid Front Door for 42" (106.7cm) Enclosures	23 lbs (10.5kg)	196.27	192.34	184.49	147.20
FD-37	Solid Front Door for 64.75" (164.5cm) Enclosures	44 lbs (20.0kg)	245.99	241.07	231.23	184.49
FD-40	Solid Front Door for 70" (177.8cm) Enclosures	46 lbs (20.9kg)	253.89	248.81	238.66	190.42
FD-44	Solid Front Door for 77" (195.6cm) Enclosures	52 lbs (23.6kg)	261.73	256.50	246.03	196.30
Plexi Front Door Options - For WRKSA and WRK Series Enclosures						
PFD-24	Plexi Front Door for 42" (106.7cm) Enclosures	19 lbs (8.6kg)	342.26	335.41	321.72	256.69
PFD-37	Plexi Front Door for 64.75" (164.5cm) Enclosures	50 lbs (22.7kg)	519.78	509.38	488.59	389.83
PFD-40	Plexi Front Door for 70" (177.8cm) Enclosures	52 lbs (23.6kg)	551.90	540.86	518.79	413.92
PFD-44	Plexi Front Door for 77" (195.6cm) Enclosures	58 lbs (26.4kg)	590.41	578.60	554.99	442.81
Vented Front Door Options - For WRKSA and WRK Series Enclosures						
VFD-24	Vented Front Door for 42" (106.7cm) Enclosures	20 lbs (9.1kg)	274.84	269.34	258.35	206.13
VFD-37	Vented Front Door for 64.75" (164.5cm) Enclosures	38 lbs (17.3kg)	340.23	333.43	319.82	255.17
VFD-40	Vented Front Door for 70" (177.8cm) Enclosures	44 lbs (20.0kg)	361.20	353.98	339.53	270.90
VFD-44	Vented Front Door for 77" (195.6cm) Enclosures	48 lbs (21.8kg)	392.59	384.74	369.03	294.44
Vented Plexi Front Door Options - For WRKSA and WRK Series Enclosures						
PVFD-44	Vented Plexi Front Door for 77" (195.6cm) Enclosures	50 lbs (22.7kg)	765.55	750.24	719.62	574.16
Caster Base Options - For WRKSA and WRK Series Enclosures						
CBS-WRK-27	Caster Base for 27" (68.6cm) Depth Enclosures, 1300 lbs (590.9kg) Capacity	24 lbs (10.9kg)	167.99	164.63	157.91	125.99
CBS-WRK-32	Caster Base for 32" (81.3cm) Depth Enclosures, 1300 lbs (590.9kg) Capacity	27 lbs (12.3kg)	187.89	184.13	176.62	140.92
Rack Rail Options - For WRKSA and WRK Series Enclosures						
WRK-RR24	Rail Kit, 10-32 Threads, 24U WRK Series Enclosures	12 lbs (5.5kg)	96.78	94.84	90.97	72.59
WRK-RR37	Rail Kit, 10-32 Threads, 37U WRK Series Enclosures	15 lbs (6.8kg)	107.35	105.20	100.91	80.51
WRK-RR40	Rail Kit, 10-32 Threads, 40U WRK Series Enclosures	17.3 lbs (7.9kg)	115.15	112.85	108.24	86.36
WRK-RR44	Rail Kit, 10-32 Threads, 44U WRK Series Enclosures	20 lbs (9.1kg)	122.98	120.52	115.60	92.23

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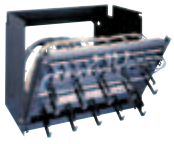

DWR-1017PD


SBX-10


WRS-4


WM1518


SFR Series


DPPM8-12

Item #	Description	Spaces	Height	Shipping Weight	1-9	10-24	25-99	100-249

19" (48.3cm) Relay/Frame Racks – Rugged Telecom Equipment and Patch Panel Mounting

For the highest quality rack system choose the Middle Atlantic 19" (48.3cm) Relay Rack. Constructed with 11-gauge 10-32 threaded steel side channels, this rack can handle up to 400 lbs (181.8kg) of equipment and cabling. Incorporating a self-squaring, self-leveling design greatly reduces assembly time. Unique gusseted base means no shimming on uneven floors.

DCR38	19" (48.3cm) Relay Rack Kit	38	72.00" (182.9cm)	36 lbs (16.4kg)	257.49	252.34	242.04	193.12
DCR45	19" (48.3cm) Relay Rack Kit	45	84.00" (213.4cm)	38 lbs (16.4kg)	273.09	267.63	256.70	204.82

2 Post Relay Rack

RLA19-1245B	Aluminum Open Frame Rack	45	78.75" (200cm)	39 (17.7kg)	220.68	216.27	207.44	165.51
RLA-CC	Cable Management Duct For RLA Series Open Frame Racks	45	77.00" (195.6cm)	20 (9.1kg)	299.14	293.16	281.19	224.35

19" (48.3cm) Wall Mount Pivoting Rack Cabinets with Security Door

The DWR series wall mount pivoting rack cabinets allow users an ideal method for securing equipment in a compact, lockable wall cabinet. The Wall Mount Pivoting Rack Cabinets feature fully welded construction with heavy-duty hinges for supporting heavy electronics. With abundant cable lacing points, cable pathways and proper cable bend radius can be maintained throughout the cabinet. Cabinet is shipped fully assembled with a plexiglass front door.

DWR-1017PD	19" (48.3cm) Wall Mount Pivoting Rack Cabinet	10	17.50" (44.5cm)	86 lbs (39.1kg)	630.64	618.03	592.80	472.98
DWR-1617PD	19" (48.3cm) Wall Mount Pivoting Rack Cabinet	16	28.00" (71.1cm)	110 lbs (50.0kg)	777.32	761.77	730.68	582.99
DWR-2417PD	19" (48.3cm) Wall Mount Pivoting Rack Cabinet	24	42.00" (106.7cm)	138 lbs (62.7kg)	988.34	968.57	929.04	741.25

19" (48.3cm) Wall Mount Rack Cabinet

The SBX series wall mount rack cabinet features standard 18-gauge all steel construction and a removable backpan for simpler wall mounting. The backpan and cabinet top/bottom have laser cut electrical knockouts for easier cable installation. A locking front door secures valuable equipment inside and swings a full 180 degrees on a heavy-duty hinge allowing easy access to equipment.

SBX-10	19" (48.3cm) Wall Mount Rack Cabinet	10	17.50" (44.5cm)	50 lbs (22.7kg)	431.86	423.22	405.95	323.89

19" (48.3cm) Low Profile Wall Mounted Rack Enclosures

The low profile wall mounted rack enclosures offer a secure housing for rackmountable equipment up to 23" (58.4cm) in depth. The top cover is keyed separately from the hinged door providing user access to equipment controls while restricting access to rear connections within the enclosure. Enclosures are available in 4-8U rack heights and support up to 150lbs (68.2kg).

WRS-4	19" (48.3cm) Low Profile Wall Mounted Rack Enclosure	4	7.00" (17.8cm)	50 lbs (22.7kg)	425.13	416.63	399.62	318.85
WRS-6	19" (48.3cm) Low Profile Wall Mounted Rack Enclosure	6	10.50" (26.7cm)	60 lbs (27.3kg)	440.99	432.17	414.53	330.74
WRS-8	19" (48.3cm) Low Profile Wall Mounted Rack Enclosure	8	14.00" (35.6cm)	65 lbs (29.5kg)	497.49	487.54	467.64	373.12

Wall Mountable 19" (48.3cm) Relay Racks - Great for Telecom Equipment

These wall mountable relay racks are especially useful when a stand up 19" (48.3cm) rack can't be used due to floor space limitations. Units come in 12" (30.5cm) or 18" (45.7cm) depths and various rack heights. Rugged steel construction and black powder coat finish. Rack screws included.

WM812	12" (30.5cm) Deep Wall Mount Rack	8	14.00" (35.6cm)	18 lbs (8.2kg)	162.97	159.71	153.19	122.23
WM1512	12" (30.5cm) Deep Wall Mount Rack	15	26.25" (66.7cm)	19 lbs (8.6kg)	167.75	164.40	157.69	125.81
WM3012	12" (30.5cm) Deep Wall Mount Rack	30	52.50" (133.4cm)	28 lbs (12.7kg)	196.54	192.61	184.75	147.41
WM818	18" (45.7cm) Deep Wall Mount Rack	8	14.00" (35.6cm)	23 lbs (10.5kg)	186.93	183.19	175.71	140.20
WM1518	18" (45.7cm) Deep Wall Mount Rack	15	26.25" (66.7cm)	23 lbs (10.5kg)	203.70	199.63	191.48	152.77
WM3018	18" (45.7cm) Deep Wall Mount Rack	30	52.50" (133.4cm)	28 lbs (12.7kg)	227.69	223.14	214.03	170.77

19" (48.3cm) Swing Frame Wall Racks - Sturdy, Effective Wall or Corner Mounting Device

These swing gate wall racks are available in two heights with 12" (30.5cm) and 18" (45.7cm) depths. Rails are 10-32 thread with standard EIA hole spacing. Nominal 150 lb (68.2kg) capacity. They have convenient tie points and velcro loops for maximum internal cable management. EIA, TIA, RETMA compliant.

SFR-20-12	Swing Frame Rack, 12" (30.5cm) Deep	20	35.00" (88.9cm)	38 lbs (17.3kg)	318.50	312.13	299.39	238.88
SFR-12-18	Swing Frame Rack, 18" (45.7cm) Deep	12	21.00" (53.3cm)	38 lbs (17.3kg)	231.65	227.02	217.75	173.74
SFR-20-18	Swing Frame Rack, 18" (45.7cm) Deep	20	35.00" (88.9cm)	46 lbs (20.9kg)	294.38	288.49	276.72	220.78
SFR-25-18	Swing Frame Rack, 18" (45.7cm) Deep	25	44.00" (111.8cm)	30 lbs (13.6kg)	333.51	326.84	313.50	250.13
SFR-12-24	Swing Frame Rack, 24" (61.0cm) Deep	12	21.00" (53.3cm)	44 lbs (20.0kg)	266.07	260.75	250.11	199.55
SFR-20-24	Swing Frame Rack, 24" (61.0cm) Deep	20	35.00" (88.9cm)	43 lbs (19.5kg)	344.77	337.87	324.08	258.58
SFR-25-24	Swing Frame Rack, 24" (61.0cm) Deep	25	44.00" (111.8cm)	51 lbs (23.2kg)	387.86	380.10	364.59	290.89

19" (48.3cm) Pivoting Panel Mount Cabinets - Handy Wall Mounting Allows Rear Access

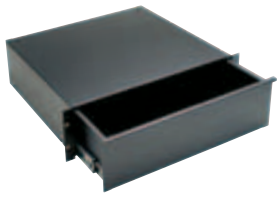
Conserve valuable floor space with these pivoting panel mount cabinets. The pivoting feature allows punching down while fully open. Rails are tapped 10-32 with standard EIA hole spacing. Available in four basic heights and 6" (15.2cm) or 12" (30.5cm) depth. Other features include: numerous cable tie points and velcro cable loops. Made of .060" (0.2cm) steel and .125" (0.3cm) thick tapped rails.

DPPM2	6" (15.2cm) Pivoting Panel Wall Mount Cabinet	2	3.50" (8.9cm)	8 lbs (3.6kg)	83.27	81.60	78.27	62.45
DPPM4	6" (15.2cm) Pivoting Panel Wall Mount Cabinet	4	7.00" (17.8cm)	10 lbs (4.5kg)	95.87	93.95	90.12	71.90
DPPM6	6" (15.2cm) Pivoting Panel Wall Mount Cabinet	6	10.50" (26.7cm)	12 lbs (5.5kg)	103.45	101.38	97.24	77.59
DPPM6-12	12" (30.5cm) Pivoting Panel Wall Mount Cabinet	6	10.50" (26.7cm)	19 lbs (8.6kg)	171.56	168.13	161.27	128.67
DPPM8-12	12" (30.5cm) Pivoting Panel Wall Mount Cabinet	8	14.00" (35.6cm)	21 lbs (9.5kg)	184.15	180.47	173.10	138.11

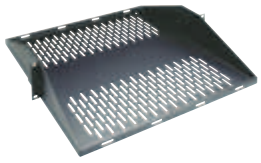
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LBX-3


UD-3


U317

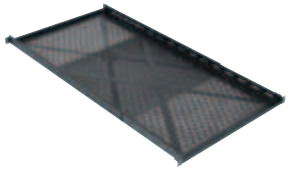

U2MS


RM-KB-LCD17


RM-KB

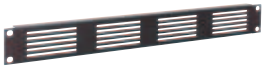

SSL

SS


VSA-1626


PR175BLK

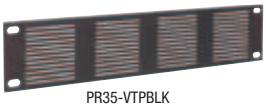

PR175-EVTBLK


PR175-VTPBLK


FILTER


PR35BLK


PR35-EVTBLK

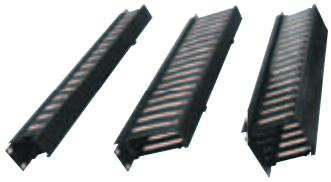

PR35-VTPBLK


QTFP-2

Item #	Description	Spaces	Height	Shipping Weight	1-9	10-24	25-99	100-249
19" (48.3cm) Steel Lockboxes - 9" (22.9cm) Depth Allows Rack Mountable Security								
Safely secure gear in the LBX series of lockboxes. 3 and 4 rack space models are available, both are 9" (22.9cm) deep. Black powder coat finish.								
LBX-3	19" (48.3cm) Rack Mountable Lockbox	3	5.25 in (13.3cm)	11 lbs (5.0kg)	105.14	103.04	98.83	78.86
LBX-4	19" (48.3cm) Rack Mountable Lockbox	4	7.00 in (17.8cm)	12 lbs (5.5kg)	114.26	111.97	107.40	85.70
19" (48.3cm) Steel Utility Drawer in 2, 3 and 4 Rack Space Heights								
These steel utility drawers are available in two, three and four rack space heights for storing equipment and supplies. Full extension ball bearing slides smoothly extending to a full 14" (35.6cm). Inside dimensions 15.88" x 14.5" (40.3cm x 36.8cm). Knockouts in rear allow cable pass through. Black powder coat finish.								
UD-2	19" (48.3cm) Rack Mountable Utility Drawer	2	3.50 in (8.9cm)	16 lbs (7.3kg)	133.27	130.60	125.27	99.95
UD-3	19" (48.3cm) Rack Mountable Utility Drawer	3	5.25 in (13.3cm)	19 lbs (8.6kg)	141.89	139.05	133.38	106.42
UD-4	19" (48.3cm) Rack Mountable Utility Drawer	4	7.00 in (17.8cm)	21 lbs (9.5kg)	163.47	160.20	153.66	122.60
3.5" (8.9cm) and 5.25" (13.3cm) High (2 and 3 Rack Spaces) Heavy Duty Shelves for 19" (48.3cm) Racks								
Two heavy duty shelves are available for 19" (48.3cm) rack panels. Cantilever shelf is 17" (43.2cm) deep and occupies three rack spaces vertically. The center weight shelf is 18" (45.7cm) deep in total and occupies two rack spaces vertically. Both shelves have vented bottoms. Color: Matte black.								
U317	19" (48.3cm) Rack Mountable Heavy Duty Cantilever Shelf, 17" (43.2cm) Dp	3	5.25 in (13.3cm)	10 lbs (4.5kg)	81.17	79.55	76.30	60.88
U2MS	19" (48.3cm) Rack Mountable Heavy Duty Center Weight Shelf, 18" (45.7cm) Dp	2	3.50 in (8.9cm)	9 lbs (4.1kg)	86.40	84.67	81.22	64.80
19" (48.3cm) Rackmount Slide-Away Computer Keyboard System								
The rackmount computer keyboard system occupies only 1.75" (4.4cm) (1 space) and features a high quality keyboard with built in trackball. A built in cable support arm provides secure cable management.								
RM-KB-LCD17	19" (48.3cm) Rackmount Slide-Away 17" (43.2cm) LCD Monitor, Keyboard and Touchpad	1	1.75 in (4.4cm)	35 lbs (15.9kg)	2551.62	2500.59	2398.52	1913.71
RM-KB	19" (48.3cm) Rackmount Computer Keyboard with Trackball	1	1.75 in (4.4cm)	16 lbs (7.3kg)	546.91	535.97	514.10	410.18
19" (48.3cm) Rackmount Sliding Shelves								
The rackmount shelves slide out giving easy access to equipment. A telescopic rear support offers flexibility in rack mounting depths. Each shelf requires a minimum rack depth of 14.75" (37.5cm).								
SSL	19" (48.3cm) Sliding Shelf w/14" x 16.75" (35.6cm x 42.5cm) Work Surface, 35 lb Capacity	1	1.75 in (4.4cm)	9 lbs (4.1kg)	107.52	105.37	101.07	80.64
SS	19" (48.3cm) Sliding Shelf w/14.75" x 17.5" (37.5cm x 44.5cm) Work Surface, 50 lb Capacity	1+	2.40 in (6.1cm)	15 lbs (6.8 kg)	159.19	156.01	149.64	119.39
High Capacity Stationary Shelf, 4 Point Mount								
VSA-1626	Adjustable Heavy Duty Vented Rackshelf	<1	1.50 in (3.8cm)	12 lbs (5.5kg)	128.78	126.20	121.05	96.59
VSA-2744	Adjustable Heavy Duty Vented Rackshelf	<1	1.50 in (3.8cm)	19 lbs (8.6kg)	158.64	155.47	149.12	118.98
19" (48.3cm) Rack Filler Panels								
A variety of 19" (48.3cm) rack filler panels allow installers to give a custom look to their rack installation while allowing proper thermal venting.								
PR175BLK	1.75" (4.4cm) Blank Filler Panel, Solid Steel	1	1.75 in (4.4cm)	1 lb (0.5kg)	20.85	19.18	17.51	15.85
PR35BLK	3.50" (8.9cm) Blank Filler Panel, Solid Steel	2	3.50 in (8.9cm)	2 lbs (0.9kg)	27.45	25.25	23.06	20.86
PR175-EVTBLK	1.75" (4.4cm) Blank Filler Panel, Vertical Vented Steel	1	1.75 in (4.4cm)	1 lb (0.5kg)	11.69	11.46	10.99	8.77
PR35-EVTBLK	3.50" (8.9cm) Blank Filler Panel, Vertical Vented Steel	2	3.50 in (8.9cm)	1 lb (0.5kg)	15.29	14.98	14.37	11.47
PR175-VTPBLK	1.75" (4.4cm) Blank Filler Panel, Horizontal Vented Steel	1	1.75 in (4.4cm)	1 lb (0.5kg)	27.38	26.83	25.74	20.54
PR35-VTPBLK	3.50" (8.9cm) Blank Filler Panel, Horizontal Vented Steel	2	3.50 in (8.9cm)	1 lb (0.5kg)	29.90	29.30	28.11	22.42
FILTER	5.25" x 19" (13.3cm x 48.3cm) Rack Filter	3	5.25 in (13.3cm)	1 lb (0.5kg)	40.32	39.51	37.90	30.24
QTFP-2	5.25" x 19" (13.3cm x 48.3cm) Panel with Dual 4.5" (11.4cm) Fans	3	5.25 in (13.3cm)	5 lbs (2.3kg)	146.08	143.16	137.32	109.56

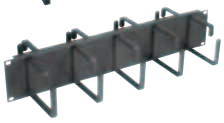
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PHCM-1-2


HHCM-2


HCM-1DR


HCM-2DR


HCM-1V

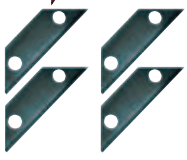

HCM-1DV


HCM-2DV

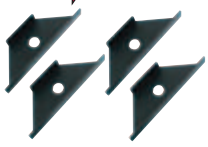

HCM-1D


HCM-2D

New


WRK-Z4

New

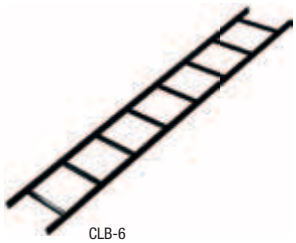

WMRK-Z4



Item #	Description	Spaces	Height	Shipping Weight	1-9	10-24	25-99	100-249
Rackmount Cable Managers with D-Rings								
HCM-1	19" (48.3cm) Rack Mountable Horizontal Cable Manager	1	1.75" (4.4cm)	1 lb (0.5kg)	30.62	30.01	28.78	22.96
HCM-1D	19" (48.3cm) D-Ring Horizontal Cable Manager	1	1.75" (4.4cm)	2 lbs (0.9kg)	38.27	37.50	35.97	28.70
HCM-1DR	19" (48.3cm) Rackmount Cable Manager	1	1.75" (4.4cm)	3.5 lbs (1.6kg)	47.45	46.50	44.60	35.59
HCM-1DV	19" (48.3cm) Rackmount Cable Manager with End Rings	1	1.75" (4.4cm)	2 lbs (0.9kg)	41.30	40.47	38.82	30.97
HCM-1V	19" (48.3cm) Rackmount Cable Manager with End Rings	1	1.75" (4.4cm)	2 lbs (0.9kg)	41.30	40.47	38.82	30.97
HCM-2D	19" (48.3cm) D-Ring Horizontal Cable Manager	2	3.50" (8.9cm)	2.35 lbs (1.1kg)	41.30	40.47	38.82	30.97
HCM-2DR	19" (48.3cm) Rackmount Cable Manager	2	3.50" (8.9cm)	6 lbs (2.7kg)	50.52	49.51	47.49	37.89
HCM-2DV	19" (48.3cm) Rackmount Cable Manager with End Rings	2	3.50" (8.9cm)	3 lbs (1.4kg)	44.38	43.49	41.72	33.29
PHCM-1-2	Plastic Finger Horizontal Cable Manager	1	1.75" (4.4cm)	1 lb (0.5kg)	28.86	28.28	27.13	21.64
PHCM-1-2-P4	Plastic Finger Horizontal Cable Manager - 4 Pack	1	1.75" (4.4cm)	4 lbs (1.8kg)	109.12	106.94	102.57	81.84
PHCM-1-4	Plastic Finger Horizontal Cable Manager	1	1.75" (4.4cm)	1.2 lbs (0.5kg)	31.41	30.78	29.53	23.56
PHCM-1-4-P4	Plastic Finger Horizontal Cable Manager - 4 Pack	1	1.75" (4.4cm)	4.8 lbs (2.2kg)	119.90	117.50	112.71	89.93
PHCM-2-3	Plastic Finger Horizontal Cable Manager	2	3.50" (8.9cm)	1.5 lbs (0.7kg)	35.97	35.25	33.81	26.98
PHCM-2-3-P4	Plastic Finger Horizontal Cable Manager - 4 Pack	2	3.50" (8.9cm)	6 lbs (2.7kg)	137.27	134.52	129.03	102.95
Rackmount Cable Lacing Bars								
Horizontal Cable Lacing Bars provide users with a simple method for managing cables horizontally on a rack. All lacing bars are sold in packages of ten.								
LBP-1R	19" (48.3cm) Rackmount Lacing Bar Round, Pkg/10			2.65 lbs (1.2kg)	60.72	59.51	57.08	45.54
LBP-1S	19" (48.3cm) Rackmount Lacing Bar Rectangular, Pkg/10			2.2 lbs (1.0kg)	60.72	59.51	57.08	45.54
LBP-1R4	19" (48.3cm) Rackmount Lacing Bar Round with 4" (10.2cm) Offset, Pkg/10			3 lbs (1.4kg)	97.13	95.19	91.30	72.85
LBP-1A	19" (48.3cm) Rackmount Lacing Bar 'L' Shaped with Cable Tie Slots, Pkg/10			2.35 lbs (1.1kg)	38.87	38.09	36.54	29.15
LBP-6A	19" (48.3cm) Rackmount Lacing Bar 'L' Shaped with Cable Tie Slots Pkg/10			4.10 lbs (1.9kg)	84.21	82.53	79.16	63.16
LBP-1.5	Rackmount Lacing Bar Round with 1.5" (3.8cm) Offset, Pkg/10			2.75 lbs (1.3kg)	87.44	85.69	82.19	65.58
LBP-2A	Rackmount Lacing Bar 'L' Shaped with 2" (5.1cm) Offset, Pkg/10			3 lbs (1.4kg)	66.65	65.32	62.65	49.99
LBP-4A	Rackmount Lacing Bar 'L' Shaped with 4" (10.2cm) Offset, Pkg/10			5 lbs (2.3kg)	74.11	72.63	69.66	55.58
Hinged Covered Cable Managers								
These panels are made from the highest quality materials to provide a strong yet attractive method for keeping cables organized and properly routed through a rack. Each panel features front mounted D-rings to support cables. All panels feature a durable black powder coat finish.								
HHCM-1	Hinged Horizontal Cable Manager	1	1.75" (4.4cm)	2 lbs (0.9kg)	50.48	49.47	47.45	37.86
HHCM-2	Hinged Horizontal Cable Manager	2	3.50" (8.9cm)	3.5 lbs (1.6kg)	56.90	55.76	53.49	42.67
19" (48.3cm) Rack Accessories - 10-32 and 12-24 Mounting Screws								
HP24	12-24 Mounting Screws and Nylon Washer, Pkg/100			1 lb (0.5kg)	26.73	26.20	25.13	20.05
HP32	10-32 Mounting Screws and Nylon Washer, Pkg/100			1 lb (0.5kg)	22.71	22.26	21.35	17.03
HP32-500	10-32 Mounting Screws and Washer, Pkg/500			4 lbs (1.8kg)	107.83	105.67	101.36	80.87
Rackmount Seismic Floor Anchors								
When properly installed, seismic floor anchor kits bring any seismic certified WRK, MRK and WMRK series enclosures to seismic design category 'D', Zone 4, and Seismic Use Group III Upper Floor essential equipment rating and have an Ip rating of 1.5. Kits include four brackets.								
WRK-Z4	Seismic Floor Anchor for the WRK Series				39.27	38.48	36.91	29.45
MRK-Z4	Seismic Floor Anchor for the MRK, WMRK and DRK Series				39.27	38.48	36.91	29.45
WMRK-Z4	Seismic Floor Anchor for the WMRK Series				39.44	38.65	37.07	29.58

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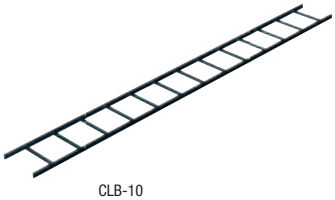
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CLB-6


CLB-90HB


CLB-VI90


CLB-VO90


CLB-10

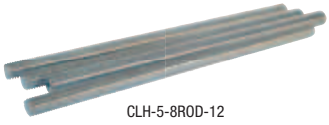

CLB-CSB


CLB-TSB


CLH-WRS


CLH-58CHK


CLH-5-8ROD-12


CLH-5-8ROD-12


CLH-RES


CLH-RWC

Item #	Description	1-9	10-24	25-99	100-249
Cable Ladders and Accessories					
12 Inch (30.5cm) Wide Cable Ladders					
CLB-6	6 foot (1.83m) Long Straight Ladder Section, Black	81.72	80.09	76.82	61.29
CLB-10	10 foot (3.05m) Long Straight Ladder Section, Black	130.79	128.17	122.94	98.09
CLB-90HB	90° Horizontal Bend, Black	144.48	141.59	135.81	108.36
CLB-VI90	90° Vertical Inside Bend, Black	119.33	116.94	112.17	89.50
CLB-VO90	90° Vertical Outside Bend, Black	119.33	116.94	112.17	89.50
12 Inch (30.5cm) Wide Bulk Pack Cable Ladders					
CLB-6-12	6 foot (1.83m) Long Straight Ladder Section, Black, 12 Pack	936.56	917.83	880.37	702.42
CLB-10-12	10 foot (3.05m) Long Straight Ladder Section, Black, 12 Pack	1498.43	1468.46	1408.52	1123.82
CLB-90HB-4	90° Horizontal Bend, Black, 4 Pack	541.80	530.96	509.29	406.35
CLB-VI90-4	90° Vertical Inside Bend, Black, 4 Pack	447.60	438.65	420.74	335.70
CLB-VO90-4	90° Vertical Outside Bend, Black, 4 Pack	447.60	438.65	420.74	335.70
18 Inch (45.7cm) Wide Cable Ladders					
CLB-6-W18	6 foot (1.83m) Long Straight Ladder Section, Black	115.33	113.02	108.41	86.50
CLB-10-W18	10 foot (3.05m) Long Straight Ladder Section, Black	156.67	153.54	147.27	117.50
CLB-90HB-W18	90° Horizontal Bend, Black	171.91	168.47	161.60	128.93
CLB-VI90-W18	90° Vertical Inside Bend, Black	150.17	147.17	141.16	112.63
CLB-VO90-W18	90° Vertical Outside Bend, Black	150.17	147.17	141.16	112.63
24 Inch (61cm) Wide Cable Ladders					
CLB-6-W24	6 foot (1.83m) Long Straight Ladder Section, Black	134.93	132.23	126.83	101.20
CLB-10-W24	10 foot (3.05m) Long Straight Ladder Section, Black	176.27	172.74	165.69	132.20
CLB-90HB-W24	90° Horizontal Bend, Black	178.45	174.88	167.74	133.84
CLB-VI90-W24	90° Vertical Inside Bend, Black	161.03	157.81	151.37	120.77
CLB-VO90-W24	90° Vertical Outside Bend, Black	161.03	157.81	151.37	120.77
12 Inch (30.5cm) Wall Ceiling Mounts (also available in Bulk Packs)					
CLB-CSB	Center Support Bracket	37.70	36.95	35.44	28.28
CLB-TSB	Triangle Wall Support Bracket	50.28	49.27	47.26	37.71
CLH-WRS	Ladder Wall Support Angle	34.07	33.39	32.03	25.55
CLH-58CHK	625 inch (1.6cm) Slotted Ceiling Kit, Fits All Widths	23.94	23.46	22.50	17.96
CLH-5-8ROD-12-4	12 inch (30.5cm) Long Section .625 inch (1.6cm) Threaded Rod, 4 pieces	28.21	27.65	26.52	21.16
CLH-5-8ROD-6	6 inch (15.2cm) Long Section .625 inch (1.6cm) Threaded Rod, 1 piece	43.19	42.33	40.60	32.39
CLH-RES	Ladder End Support Hardware, Fits All Widths	34.55	33.86	32.48	25.91
CLH-RWC	Ladder Wall Clamp, Fits all Widths	21.98	21.54	20.66	16.48
18 Inch (45.7cm) Wall Ceiling Mounts					
CLB-CSB-W18	Center Support Bracket	80.51	78.90	75.68	60.38
CLB-TSB-W18	Triangle Wall Support Bracket	69.63	68.24	65.45	52.22
CLH-WRS-W18-W24	Ladder Wall Support Angle	45.73	44.82	42.99	34.30
24 Inch (61cm) Wall Ceiling Mounts					
CLB-CSB-W24	Center Support Bracket	106.64	104.51	100.24	79.98
CLB-TSB-W24	Triangle Wall Support Bracket	84.86	83.16	79.77	63.64
CLH-WRS-W18-W24	Ladder Wall Support Angle	45.73	44.82	42.99	34.30

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Item #	Description	List Price

Single, Two, Three or Four Panel DIN Rail Termination Enclosure - For Easy Cable Mounting at the Workplace

Use this simple enclosure for terminating fiber cabling within industrial workplaces or anyplace that needs a small cable drop. The unit mounts to 35mm DIN Rail allowing cable entry from the top. The DIN connector is also removable for mounting to walls, etc. FSP Series Sub-Panels mount to the front of the enclosure for quick and easy cable termination. Built from .060 inch (16 ga) Cold Rolled Steel. Color: black.

FSP-1DIN	DIN Rail/Wall Mount Termination Enclosure for 1 FSP Series Sub-Panel	57.98
FSP-2DIN	DIN Rail/Wall Mount Termination Enclosure for 2 FSP Series Sub-Panels	64.98
FSP-3DIN	DIN Rail/Wall Mount Termination Enclosure for 3 FSP Series Sub-Panels	71.98
FSP-4DIN	DIN Rail/Wall Mount Termination Enclosure for 4 FSP Series Sub-Panels	78.98

Item #	Description	1-9	10-24	25-99	100-249

19" (48.3cm) Rack Panels Accept 3, 6 or 12 FSP Series Sub-Panels

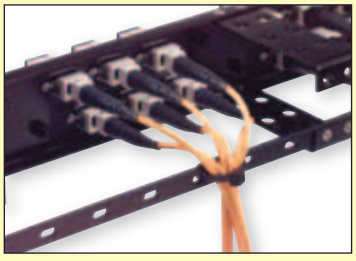
This series of 19" (48.3cm) rack panels accepts any of our FSP Series Sub-Panels. They snap into place using push button rivets which allow for easy installation or removal of the sub-panels. Built from .060" (16 ga) cold rolled steel, these panels are rugged and economically priced. Rear cable management option is available as an accessory. Color: black.

PR175-FSP-3	1.75" (1U) (4.4cm) Rack Panel for 3 FSP Series Sub-Panels	39.95	36.75	33.56	30.36
PR35-FSP-6	3.50" (2U) (8.9cm) Rack Panel for 6 FSP Series Sub-Panels	49.95	45.95	41.96	37.96
PR525-FSP-12	5.25" (3U) (13.3cm) Rack Panel for 12 FSP Series Sub-Panels	59.95	55.15	50.36	45.56
PR-CMB	Cable Management Bracket Kit for 19" (48.3cm) Panels One 19" (48.3cm) Crossbar, 6 Management Brackets, 18 Flathead Screws	43.95	43.07	42.19	41.31

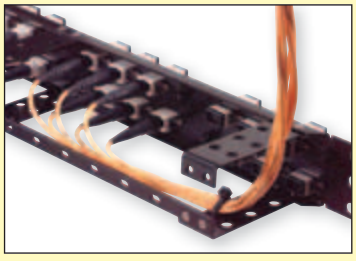
Tip

The PR-CMB cable management kit is designed for maximum flexibility.

A unique extension and crossbar design permits side and rear cable routing. All surfaces are perforated for ample cable tie points.



Rear Crossbar: Useful for reducing connector stress from hanging cable lengths.



Management Brackets: Enable cable routing and provide ample tie-down points.

Sub-Panels Used to Populate FSP Series Patch Panels, FE & FSP DIN Rail Mount Enclosures

These versatile sub-panels are used to populate L-com's FE Series Wall Mount & Rack Mount Fiber Enclosures, FSP Series Rack Panels and FSP DIN-Rail Mount Enclosures. Offered in a variety of connector types in Simplex, Duplex and Quad configurations. Ceramic sleeve versions are primarily used in single mode applications while multimode applications typically utilize the bronze sleeve configuration. These units feature a black finish with snap on mounting for easy installation and removal.

FSP-BNK	Blank Sub-Panel	11.98	11.50	11.02	10.54
FSP-SCMTLC-BNK	Blank Sub-Panel with 6 SC Simplex/MT-RJ/LC Duplex Openings	11.98	11.50	11.02	10.54
FSP-MTRJ	Fiber Sub-Panel, 6 MT-RJ Couplers	35.98	33.10	30.22	27.34
FSP-SC-APC	Fiber Sub-Panel, 6 APC SC Simplex Couplers, Ceramic Sleeve	71.98	66.22	60.46	54.70
FSP-LCD6-BR	Fiber Sub-Panel, 6 LC Duplex Couplers, Bronze Sleeve	39.98	36.78	33.58	30.38
FSP-LCD6-CR	Fiber Sub-Panel, 6 LC Duplex Couplers, Ceramic Sleeve	51.98	47.82	43.66	39.50
FSP-SC-BR	Fiber Sub-Panel, 6 SC Simplex Couplers, Bronze Sleeve	35.98	33.10	30.22	27.34
FSP-SC-CR	Fiber Sub-Panel, 6 SC Simplex Couplers, Ceramic Sleeve	44.98	41.38	37.78	34.18
FSP-STFC-BNK	Blank Sub-Panel with 6 ST/FC Simplex Openings	11.98	11.50	11.02	10.54
FSP-ST-BR	Fiber Sub-Panel, 6 ST Couplers, Bronze Sleeve	32.98	30.34	27.70	25.06
FSP-ST-CR	Fiber Sub-Panel, 6 ST Couplers, Ceramic Sleeve	47.98	44.14	40.30	36.46
FSP-SCDLCQ6-BNK	Blank Sub-Panel with 6 SC Duplex/LC Quad Openings	14.98	14.38	13.78	13.18
FSP-LCD6-10G	Fiber Sub-Panel, 6 LC Duplex 10G Couplers, Bronze Sleeve	41.98	38.62	35.26	28.55
FSP-LCQ6-BR	Fiber Sub-Panel, 6 LC Quad Couplers, Bronze Sleeve	110.68	101.83	92.97	84.12
FSP-LCQ6-CR	Fiber Sub-Panel, 6 LC Quad Couplers, Ceramic Sleeve	134.68	123.91	113.13	102.36
FSP-SCD6-APC	Fiber Sub-Panel, 6 SC Duplex Couplers, Ceramic Sleeve	125.98	115.90	105.82	95.74
FSP-SCD6-BR	Fiber Sub-Panel, 6 SC Duplex Couplers, Bronze Sleeve	47.98	44.14	40.30	36.46
FSP-SCD6-CR	Fiber Sub-Panel, 6 SC Duplex Couplers, Ceramic Sleeve	62.98	57.94	52.90	47.86
FSP-KYSTN-BNK	Blank Sub-Panel with 4 Keystone Openings	11.98	11.50	11.02	10.54
FSP-ECF-BNK	Blank Sub-Panel with 3 ECF Style Openings	11.98	11.50	11.02	10.54
FSP-05D-BNK	Blank Sub-Panel with (4) 0.5" D-Hole Openings	11.98	11.50	11.02	10.54

Fiber Sub-Panel with 6 LC Keyed Multimode Couplers

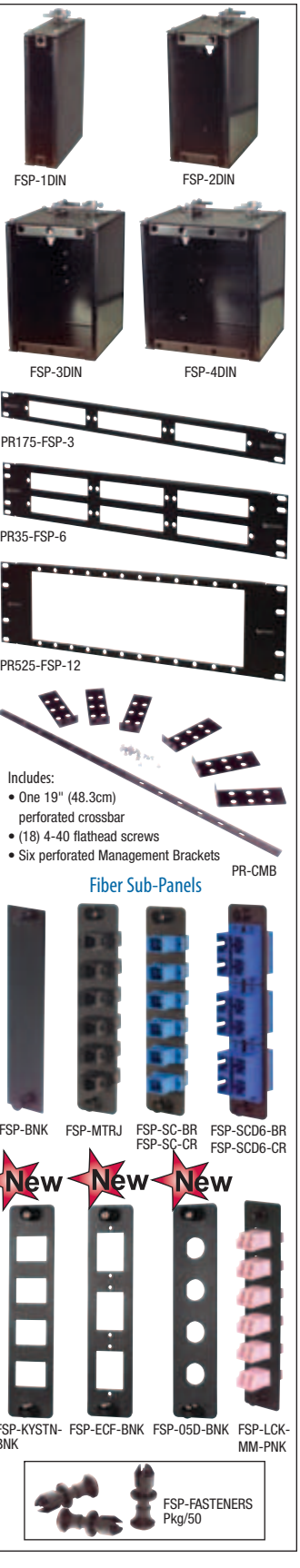
These sub-panels are used to populate L-com's FE Series Wall Mount & Rack Mount Fiber Enclosures, FSP Series Rack Panels and FSP DIN-Rail Mount Enclosures. Secured, keyed, LC adapters are designed specifically for mission critical circuits where networks are segregated by color for identification and protected from accidental moves, adds, or changes. They offer mechanical network security for organizations desiring to segregate networks because of privacy or security concerns. Note: The couplers in these sub-panels are designed to only work with L-com's Keyed LC Patch Cords.

FSP-LCK-MM-PNK	Fiber Panel, 6 LC Keyed Multimode, Pink	99.98	95.98	91.98	87.98
FSP-LCK-MM-WHT	Fiber Panel, 6 LC Keyed Multimode, White	99.98	95.98	91.98	87.98
FSP-LCK-MM-YLW	Fiber Panel, 6 LC Keyed Multimode, Yellow	99.98	95.98	91.98	87.98
FSP-LCK-MM-RED	Fiber Panel, 6 LC Keyed Multimode, Red	99.98	95.98	91.98	87.98
FSP-LCK-MM-ORG	Fiber Panel, 6 LC Keyed Multimode, Orange	99.98	95.98	91.98	87.98
FSP-LCK-MM-VLT	Fiber Panel, 6 LC Keyed Multimode, Violet	99.98	95.98	91.98	87.98
FSP-LCK-MM-GRY	Fiber Panel, 6 LC Keyed Multimode, Gray	99.98	95.98	91.98	87.98
FSP-LCK-MM-CBT	Fiber Panel, 6 LC Keyed Multimode, Cobalt	99.98	95.98	91.98	87.98
FSP-LCK-MM-BRN	Fiber Panel, 6 LC Keyed Multimode, Brown	99.98	95.98	91.98	87.98
FSP-LCK-MM-TRQ	Fiber Panel, 6 LC Keyed Multimode, Turquoise	99.98	95.98	91.98	87.98
FSP-LCK-MM-MAG	Fiber Panel, 6 LC Keyed Multimode, Magenta	99.98	95.98	91.98	87.98
FSP-LCK-MM-OLV	Fiber Panel, 6 LC Keyed Multimode, Olive	99.98	95.98	91.98	87.98

Item #	Description	List Price

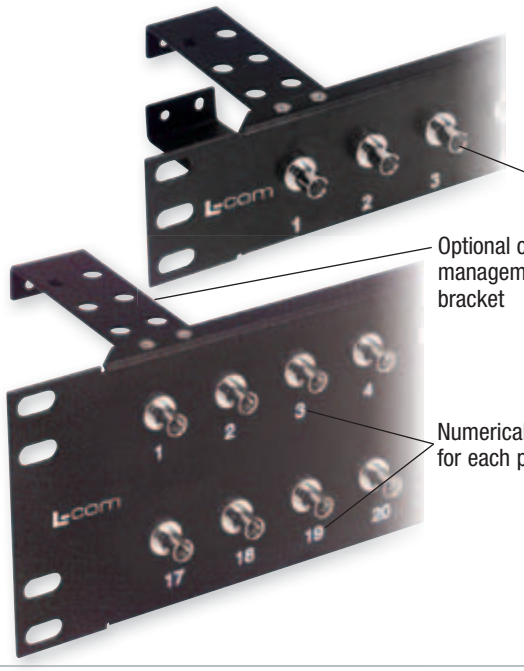
Plunger and Grommet Kit for FSP Series Sub-Panels - Pkg/50

FSP-FASTENERS	Plunger and Grommet Kit for FSP Series Sub-Panels, Pkg/50	24.98

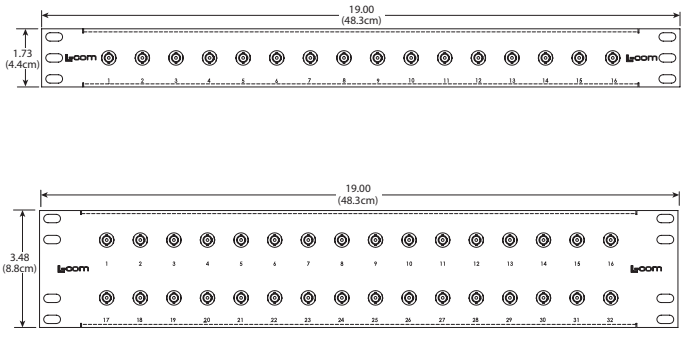


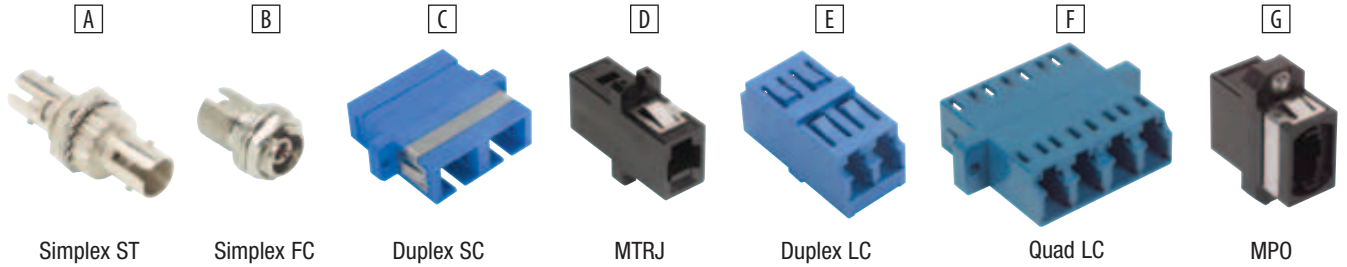
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L-com® Global Connectivity



System designers have a complete selection of panel configurations for fiber optic connections to choose from. Each panel features a numerical legend below each port. This allows users a fast and simple way to identify ports for their equipment. Our panels are made with .060 inch (16 ga) cold-rolled steel and finished with a durable black powder coat. An optional cable management bracket kit used on the rear of the panel gives a secure place to tie off cable bundles and prevent connector fatigue. Panels are available with ST, FC, SC, MTRJ, LC or MPO style couplers.

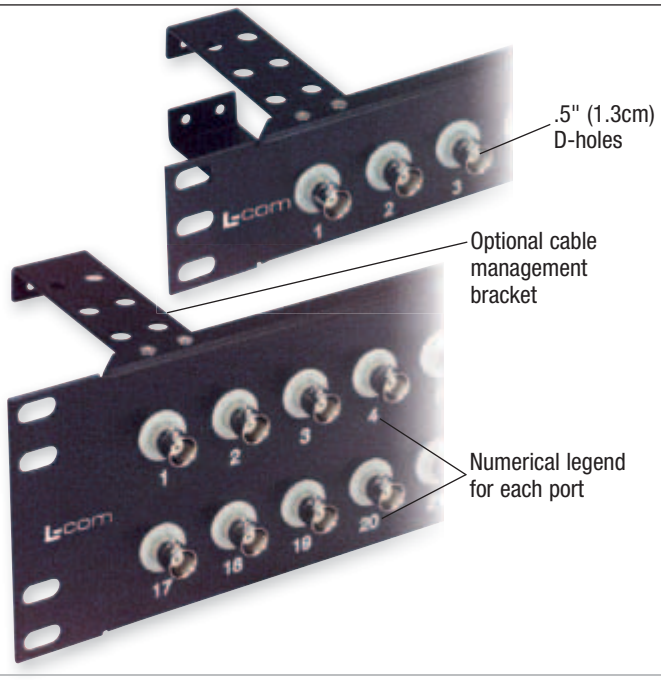




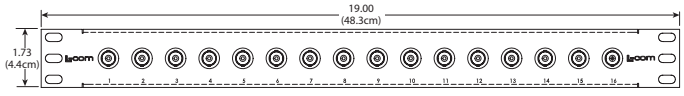
Item #	Code	Description	Color	1-9	10-24	25-99	100-249
19" (48.3cm) Fiber Optic Rack Panels							
PR175ST16CMB	A	1.75" (4.4cm) Panel, 16 Port, ST Multimode Couplers with Cable Management Bracket	Black	129.95	119.55	109.16	98.76
PR35ST32CMB	A	3.50" (8.9cm) Panel, 32 Port, ST Multimode Couplers with Cable Management Bracket	Black	189.00	173.88	158.76	143.64
PR175ST16CMB-SM	A	1.75" (4.4cm) Panel, 16 Port, ST Singlemode Couplers with Cable Management Bracket	Black	159.95	147.15	134.36	121.56
PR35ST32CMB-SM	A	3.50" (8.9cm) Panel, 32 Port, ST Singlemode Couplers with Cable Management Bracket	Black	239.00	219.88	200.76	181.64
UPR35-12STB	A	3.50" (8.9cm) Universal Rack Panel, 12 Port, ST Multimode Couplers	Black	114.98	110.38	105.78	101.18
UPR35-24STB	A	3.50" (8.9cm) Universal Rack Panel, 24 Port, ST Multimode Couplers	Black	149.95	143.95	137.95	131.96
PR175FC16CMB	B	1.75" (4.4cm) Panel, 16 Port, FC Multimode Couplers with Cable Management Bracket	Black	199.95	183.95	167.96	151.96
PR35FC32CMB	B	3.50" (8.9cm) Panel, 32 Port, FC Multimode Couplers with Cable Management Bracket	Black	332.90	306.27	279.64	253.00
PR175FC16CMB-SM	B	1.75" (4.4cm) Panel, 16 Port, FC Singlemode Couplers with Cable Management Bracket	Black	219.95	202.35	184.76	167.16
PR35FC32CMB-SM	B	3.50" (8.9cm) Panel, 32 Port, FC Singlemode Couplers with Cable Management Bracket	Black	352.95	324.71	296.48	268.24
PR175FC16CM-SMA	B	1.75" (4.4cm) Panel, 16 Port, FC (APC) Singlemode Couplers with Cable Management Bracket	Black	269.00	247.48	225.96	204.44
PR35DSC32C	C	3.50" (8.9cm) Panel, 64 Port, 32 Duplex SC Multimode Couplers	Black	269.00	258.24	247.48	236.72
PR35DSC32C-SM	C	3.50" (8.9cm) Panel, 64 Port, 32 Duplex SC Singlemode Couplers	Black	325.00	312.00	299.00	286.00
UPR35-6DSCB	C	3.50" (8.9cm) Universal Rack Panel, 12 Port, 6 Duplex SC Multimode Couplers	Black	129.98	124.78	119.58	114.38
UPR35-12DSCB	C	3.50" (8.9cm) Universal Rack Panel, 24 Port, 12 Duplex SC Multimode Couplers	Black	149.98	143.98	137.98	131.98
PR175MT16B	D	1.75" (4.4cm) Panel, 32 Port, 16 MTRJ Couplers	Black	99.00	97.02	95.04	93.06
PR175DLC16B	E	1.75" (4.4cm) Panel, 32 Port, 16 LC Duplex Multimode Couplers	Black	179.00	175.42	171.84	168.26
PR175DLCB16B	E	1.75" (4.4cm) Panel, 32 Port, 16 LC Duplex Singlemode Couplers	Black	104.98	102.88	100.78	98.68
PR175LC96	F	1.75" (4.4cm) Panel, 96 Port, 24 LC Quad Multimode Couplers	Black	259.00	253.82	248.64	243.46
PR175LC96-SM	F	1.75" (4.4cm) Panel, 96 Port, 24 LC Quad Singlemode Couplers	Black	489.00	479.22	469.44	459.66
PR175DLC24B	N/A	1.75" (4.4cm) Panel, 48 Port, 24 LC Duplex Multimode Couplers	Black	199.00	195.02	191.04	187.06
PR175DLC24B-SM	N/A	1.75" (4.4cm) Panel, 48 Port, 24 LC Duplex Singlemode Couplers	Black	325.00	318.50	312.00	305.50
PR17516MTP	G	1.75" (4.4cm) Panel, 16 MPO Couplers	Black	199.00	195.02	191.04	187.06
PR-CMB	N/A	Cable Management Bracket Kit for most L-com 19" (48.3cm) Panels Kit Contains: (Qty: 6) Extension Brackets, (Qty: 1) 19" Crossbar, (Qty: 18) Flathead Screws		43.95	43.07	42.19	41.31

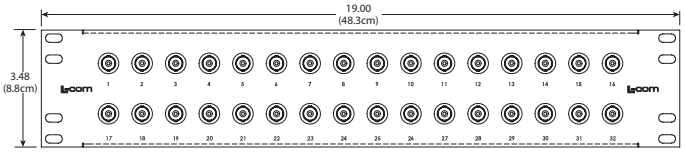
L-com Global Connectivity

Connect with L-com Global Connectivity



A complete selection of panel configurations for coaxial connections is available to system designers. Each panel features a numerical legend below each port. This allows users a fast and simple way to identify ports for their equipment. Our panels are made with .060 inch (16 ga) cold-rolled steel and finished with a durable black powder coat. An optional cable management bracket kit used on the rear of the panel gives a secure place to tie off cable bundles and prevent connector fatigue. Panels are available with BNC, Type F, RCA, HDMI or DVI style couplers.





A



50 Ohm BNC
Insulated

B

Best Seller



75 Ohm BNC
Insulated

C



Auto-Terminating
50 Ohm BNC

D



Type F

E



RCA

F



HDMI

G



DVI

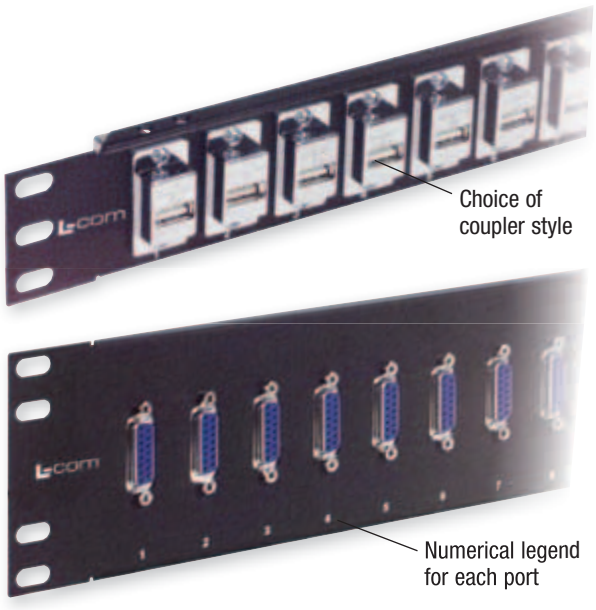
Item #	Code	Description	Color	1-9	10-24	25-99	100-249
19" (48.3cm) Coaxial Rack Panels							
PR175-16BLK	N/A	1.75" (4.4cm) Panel, 16 0.5" (1.3cm) D-Holes	Black	24.95	24.45	23.95	23.45
PR175-16CMB	N/A	1.75" (4.4cm) Panel, 16 0.5" (1.3cm) D-Holes and Cable Minder	Black	37.95	37.19	36.43	35.67
PR35-32BLK	N/A	3.50" (8.9cm) Panel, 32 0.5" (1.3cm) D-Holes	Black	29.95	29.35	28.75	28.15
PR35-32CMB	N/A	3.50" (8.9cm) Panel, 32 0.5" (1.3cm) D-Holes and Cable Minder	Black	49.95	45.95	41.96	37.96
PR175B16BLK	A	1.75" (4.4cm) Panel, 16 BNC Couplers, 50 Ohm Insulated	Black	99.95	91.95	83.96	75.96
PR35B32BLK	A	3.50" (8.9cm) Panel, 32 BNC Couplers, 50 Ohm Insulated	Black	179.95	165.55	151.16	136.76
PR175B1675BLK	B	1.75" (4.4cm) Panel, 16 BNC Couplers, 75 Ohm Insulated	Black	109.95	101.15	92.36	83.56
PR35B3275BLK	B	3.50" (8.9cm) Panel, 32 BNC Couplers, 75 Ohm Insulated	Black	209.95	193.15	176.36	159.56
PR175B16CMB	A	1.75" (4.4cm) Panel, 16 BNC Couplers, Insulated with Cable Minder	Black	119.95	110.35	100.76	91.16
PR35B32CMB	A	3.50" (8.9cm) Panel, 32 BNC Couplers, Insulated with Cable Minder	Black	199.95	183.95	167.96	151.96
PR175BX16GBLK	C	1.75" (4.4cm) Panel, 16 BNC Auto-Terminating Couplers, 50 Ohm	Black	129.00	118.68	108.36	98.04
PR35BX32GBLK	C	3.50" (8.9cm) Panel, 32 BNC Auto-Terminating Couplers, 50 Ohm	Black	229.95	211.55	193.16	174.76
PR175F16	D	1.75" (4.4cm) Panel, 16 Type F Couplers, Insulated	Black	79.95	73.55	67.16	60.76
PR35F32	D	3.50" (8.9cm) Panel, 32 Type F Couplers, Insulated	Black	99.95	91.95	83.96	75.96
19" (48.3cm) Audio/Video Rack Panels							
PR175RCA16	E	1.75" (4.4cm) Panel, 16 RCA Couplers, Grounded	Black	89.95	88.15	86.35	84.55
PR35RCA32	E	3.50" (8.9cm) Panel, 32 RCA Couplers, Grounded	Black	149.95	146.95	143.95	140.95
PR175HD16B	F	1.75" (4.4cm) Panel, 16 HDMI Female Couplers	Black	198.98	183.06	167.14	151.22
PR35HD32B	F	3.50" (8.9cm) Panel, 32 HDMI Female Couplers	Black	298.98	275.06	251.14	227.22
PR35DVIFB	G	3.50" (8.9cm) Panel, 16 DVI Female Adapters	Black	159.00	155.82	152.64	149.46
PR-CMB	N/A	Cable Management Bracket Kit for most L-com 19" (48.3cm) Panels Kit Contains: (Qty: 6) Extension Brackets, (Qty: 1) 19" Crossbar, (Qty: 18) Flathead Screws		43.95	43.07	42.19	41.31

Tip ***What is Impedance?***

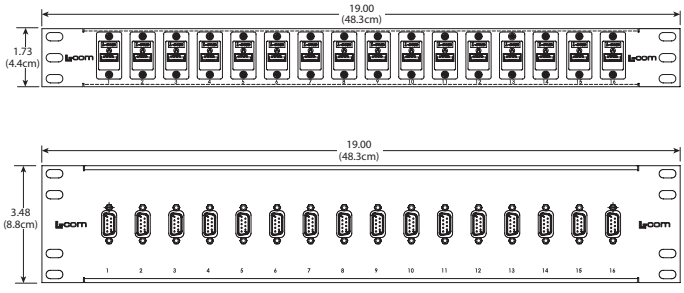
Impedance is a measurement of opposition to the flow of current within a cable. Two of the most common impedance values used in coaxial cable are 50 Ohms primarily used for data transmission and 75 Ohms primarily used for video transmission. In twisted pair cable, common impedance values are 100 and 120 Ohms.

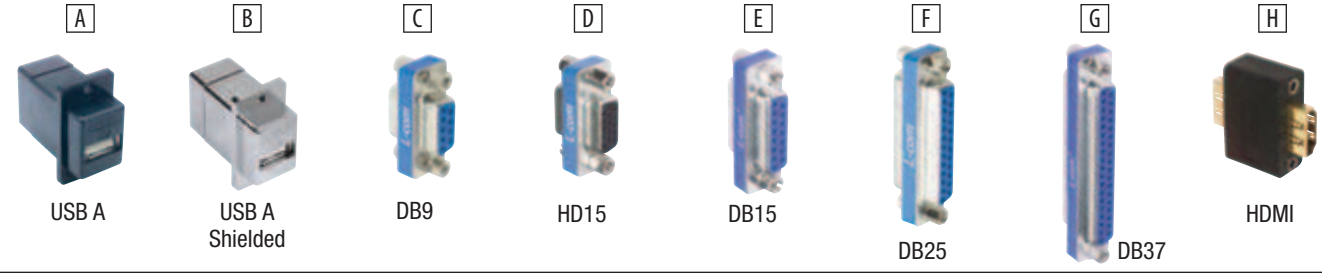
Custom design and manufacturing capabilities
Our product design process takes you from concept to production. L-com.com/Custom

L-com® Global Connectivity



L-com offers system designers a complete selection of panel configurations for data and serial connections. Each panel features a numerical legend below each port. This allows users a fast and simple way to identify ports for their equipment. Our panels are made with .060 inch (16 ga) cold-rolled steel and finished with a durable black powder coat. An optional cable management bracket kit used on the rear of the panel gives a secure place to tie off cable bundles and prevent connector fatigue. Panels are available with USB, D-Sub or HDMI style couplers.





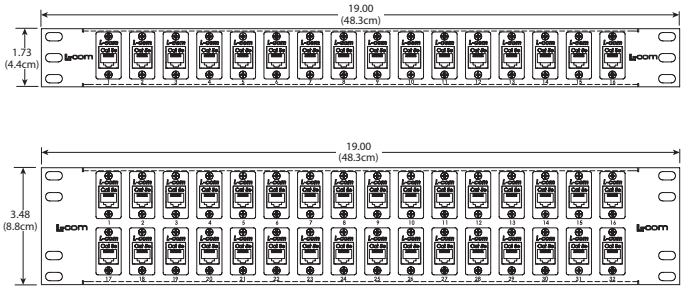
Item #	Code	Description	Color	1-9	10-24	25-99	100-249
19" (48.3cm) D-Sub, USB, HDMI® Rack Panels							
PR175F504-UAB	A	1.75" (4.4cm) Panel, 16 USB A/B Couplers	Black	119.95	110.35	100.76	91.16
PR35F504-UAB	A	3.50" (8.9cm) Panel, 32 USB A/B Couplers	Black	199.95	183.95	167.96	151.96
PR175F504-UABS	B	1.75" (4.4cm) Panel, 16 Shielded USB A/B Couplers	Black	129.95	119.55	109.16	98.76
PR35F504-UABS	B	3.50" (8.9cm) Panel, 32 Shielded USB A/B Couplers	Black	229.95	211.55	193.16	174.76
PR175DS916B	N/A	1.75" (4.4cm) Panel, 16 DB9 / HD15 / HDMI Cutouts	Black	52.98	48.74	44.50	40.26
PR35DS932B	N/A	3.50" (8.9cm) Panel, 32 DB9 / HD15 / HDMI Cutouts	Black	55.98	51.50	47.02	42.54
PR35DS1516B	N/A	3.50" (8.9cm) Panel, 16 DB15 / HD26 / DVI Cutouts	Black	29.95	29.35	28.75	28.15
PR35DS2516B	N/A	3.50" (8.9cm) Panel, 16 DB25 / HD44 Cutouts	Black	29.95	29.35	28.75	28.15
PR35DS3716B	N/A	3.50" (8.9cm) Panel, 16 DB37 / HD62 Cutouts	Black	59.95	58.75	57.55	56.35
PR175GB9FB	C	1.75" (4.4cm) Panel, 16 DB9 Female Couplers	Black	114.98	105.78	96.58	87.38
PR35GB932B	C	3.50" (8.9cm) Panel, 32 DB9 Female Couplers	Black	178.98	164.66	150.34	136.02
UPR35-2DB9FB	C	3.50" (8.9cm) Panel, 12 DB9 Female Couplers	Black	119.95	112.75	105.56	98.36
PR175HD1516B	D	1.75" (4.4cm) Panel, 16 HD15 Female Couplers	Black	124.98	114.98	104.98	94.98
PR35HD1532B	D	3.50" (8.9cm) Panel, 32 HD15 Female Couplers	Black	194.98	179.38	163.78	148.18
PR35GB15FB	E	3.50" (8.9cm) Panel, 16 DB15 Female Couplers	Black	124.95	114.95	104.96	94.96
PR35GB25FB	F	3.50" (8.9cm) Panel, 16 DB25 Female Couplers	Black	139.95	128.75	117.56	106.36
PR35GB37FB	G	3.50" (8.9cm) Panel, 16 DB37 Female Couplers	Black	173.50	159.62	145.74	131.86
PR175HD16B	H	1.75" (4.4cm) Panel, 16 HDMI Female Couplers	Black	198.98	183.06	167.14	151.22
PR35HD32B	H	3.50" (8.9cm) Panel, 32 HDMI Female Couplers	Black	298.98	275.06	251.14	227.22
PR-CMB	N/A	Cable Management Bracket Kit for most L-com 19" (48.3cm) Panels Kit Contains: (Qty: 6) Extension Brackets, (Qty: 1) 19" Crossbar, (Qty: 18) Flathead Screws		43.95	43.07	42.19	41.31

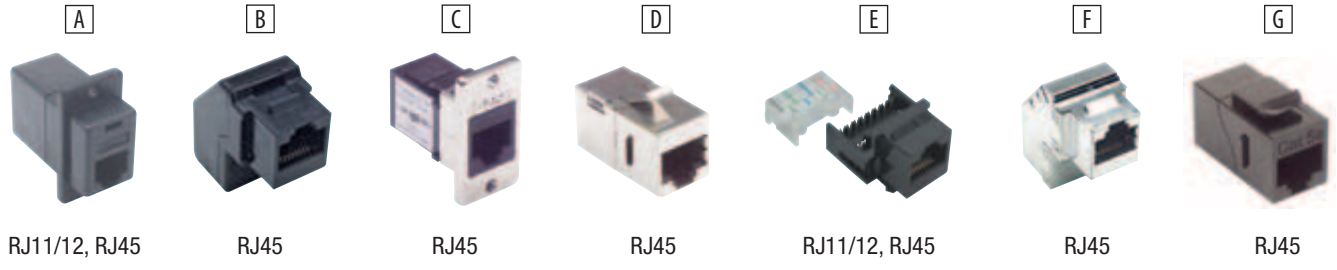
L-com Global Connectivity

Product wizards
Find the exact product you need with our easy-to-use wizards.
L-com.com/ProductWizards



L-com offers system designers a complete selection of panel configurations for telecom connections. Each panel features a numerical legend below each port allowing users a fast and simple way to identify ports for their equipment. Our panels are made with .060 inch (16 ga) cold-rolled steel and finished with a durable black powder coat. An optional cable management bracket kit used on the rear of the panel gives a secure place to tie off cable bundles and prevent connector fatigue. Panels are available with RJ11/12 or RJ45 style couplers.



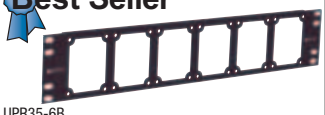


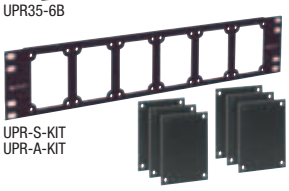
Item #	Code	Description	Color	1-9	10-24	25-99	100-249
19" (48.3cm) Telecom/Network Rack Panels							
PR175F504B-4S	A	1.75" (4.4cm) Panel, 16 RJ11 (6x4) Couplers, Straight-Thru	Black	74.95	68.95	62.96	56.96
PR175F504B-6S	A	1.75" (4.4cm) Panel, 16 RJ12 (6x6) Couplers, Straight-Thru	Black	82.95	76.31	69.68	63.04
PR175F504B-8SK	A	1.75" (4.4cm) Panel, 16 RJ45 (8x8) Couplers, Straight-Thru	Black	89.95	82.75	75.56	68.36
PR35F504B-4S	A	3.50" (8.9cm) Panel, 32 RJ11 (6x4) Couplers, Straight-Thru	Black	129.95	119.55	109.16	98.76
PR35F504B-6S	A	3.50" (8.9cm) Panel, 32 RJ12 (6x6) Couplers, Straight-Thru	Black	144.95	133.35	121.76	110.16
PR35F504B-8SK	A	3.50" (8.9cm) Panel, 32 RJ45 (8x8) Couplers, Straight-Thru	Black	169.95	156.35	142.76	129.16
PR175F504B-C5	C	1.75" (4.4cm) Panel, 16 Category 5e Couplers	Black	169.95	163.15	156.35	149.56
PR175F504B-SC5	C	1.75" (4.4cm) Panel, 16 Category 5e Couplers, Shielded	Black	229.95	220.75	211.55	202.36
PR175F504B-C6	C	1.75" (4.4cm) Panel, 16 Category 6 Couplers	Black	199.95	191.95	183.95	175.96
PR175F504B-SC6	C	1.75" (4.4cm) Panel, 16 Category 6 Couplers, Shielded	Black	249.95	239.95	229.95	219.96
PR35F504B-C5	C	3.50" (8.9cm) Panel, 32 Category 5e Couplers	Black	319.95	307.15	294.35	281.56
PR35F504B-SC5	C	3.50" (8.9cm) Panel, 32 Category 5e Couplers, Shielded	Black	399.95	383.95	367.95	351.96
PR35F504B-C6	C	3.50" (8.9cm) Panel, 32 Category 6 Couplers	Black	349.95	335.95	321.95	307.96
PR35F504B-SC6	C	3.50" (8.9cm) Panel, 32 Category 6 Couplers, Shielded	Black	429.95	412.75	395.55	378.36
PR175F504B	N/A	1.75" (4.4cm) Panel, 16 ECF Style Cutouts	Black	39.95	39.15	38.35	37.55
PR35F504B	N/A	3.50" (8.9cm) Panel, 32 ECF Style Cutouts	Black	39.95	39.15	38.35	37.55
PR175UT568	B	1.75" (4.4cm) Panel, 16 Category 5e Couplers	Black	179.95	165.55	151.16	136.76
PR175UT568S	F	1.75" (4.4cm) Panel, 16 Category 5e Couplers, Shielded	Black	199.95	183.95	167.96	151.96
PR35UT568	B	3.50" (8.9cm) Panel, 32 Category 5e Couplers	Black	299.95	275.95	251.96	227.96
PR35UT568S	F	3.50" (8.9cm) Panel, 32 Category 5e Couplers, Shielded	Black	379.95	349.55	319.16	288.76
PR175C6-16	G	1.75" (4.4cm) Panel, 16 Category 6 Couplers	Black	189.95	174.75	159.56	144.36
PR175C6-16S	D	1.75" (4.4cm) Panel, 16 Category 6 Couplers, Shielded	Black	239.95	220.75	201.56	182.36
PR35C6-32	G	3.50" (8.9cm) Panel, 32 Category 6 Couplers	Black	319.95	294.35	268.76	243.16
PR35C6-32S	D	3.50" (8.9cm) Panel, 32 Category 6 Couplers, Shielded	Black	369.95	340.35	310.76	281.16
PR175UJ16B	N/A	1.75" (4.4cm) Panel, 16 Keystone Style Cutouts	Black	29.95	27.55	25.16	22.76
PR35UT568B	N/A	3.50" (8.9cm) Panel, 32 Keystone Style Cutouts	Black	39.95	36.75	33.56	30.36
PR175-1606	E	1.75" (4.4cm) Panel, 16 Voice Grade RJ12 (6x6) IDC Jacks	Black	59.00	54.28	49.56	44.84
PR175-1608	E	1.75" (4.4cm) Panel, 16 Voice Grade RJ45 (8x8) IDC Jacks	Black	114.98	105.78	96.58	87.38
PR35-3206	E	3.50" (8.9cm) Panel, 32 Voice Grade RJ12 (6x6) IDC Jacks	Black	79.00	72.68	66.36	60.04
PR35-3208	E	3.50" (8.9cm) Panel, 32 Voice Grade RJ45 (8x8) IDC Jacks	Black	149.98	137.98	125.98	113.98
PR-CMB	N/A	Cable Management Bracket Kit for most L-com 19" (48.3cm) Panels Kit Contains: (Qty: 6) Extension Brackets, (Qty: 1) 19" Crossbar, (Qty: 18) Flathead Screws		43.95	43.07	42.19	41.31

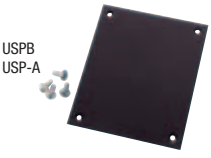
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L-com® Global Connectivity

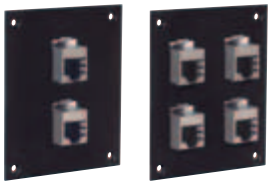
Best Seller


UPR35-6B

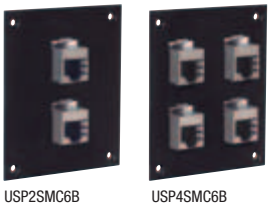

UPR-S-KIT
UPR-A-KIT


USPB
USP-A


USP2MC5B USP4MC5B


USP2SMC5B USP4SMC5B


USP2MC6B USP4MC6B


USP2SMC6B USP4SMC6B


USP2MK-C5B USP4MK-C5B

Item #	Description	1-9	10-24	25-99	100-249	250-499

Universal Master Rack Panel with 6 Openings

L-com's Universal Master Rack Series offers installers the ability to customize their installation with different connections within a single rack panel. The Universal Series panels can save time, money and rack space in an installation project. The master panels feature six punched rectangular openings that will accept any of the numerous USP Series sub-panels shown in this catalog. Sub-panel openings are 2.20" x 2.75" (5.6cm x 7.0cm).

UPR35-6B	Master Rack Panel, Black	24.95	23.95	22.95	21.96	20.96
UPR-S-KIT	Master Rack Panel with 6 Black Steel Blanks	46.50	44.64	42.78	40.92	39.06
UPR-A-KIT	Master Rack Panel with 6 Black Aluminum Blanks	46.50	44.64	42.78	40.92	39.06
PR-CMB	Cable Management Bracket Kit for most L-com 19" (48.3cm) Panels Kit Contains: (Qty: 6) Extension Brackets, (Qty: 1) 19" Crossbar, (Qty: 18) Flathead Screws	43.95	43.07	42.19	41.31	40.43

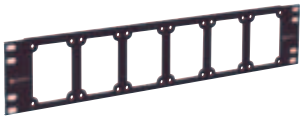
Universal Series Blank Sub-Panels

Universal Series blank sub-panels can be used to cover unused openings or may be used to customize a panel assembly. These panels come in 3 different styles for users to choose from: black anodized aluminum, white high impact plastic or black steel. The aluminum and plastic panels offer the easiest option for custom drilling or punching holes. The black steel panels are constructed of sturdy .060 inch (16 ga) cold rolled steel for durability. Each sub-panel is equipped with four pre-tapped holes to accept the four 6-32 mounting screws which are supplied.

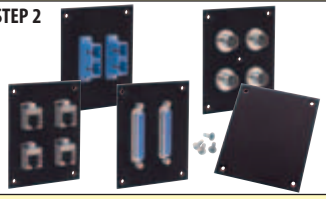
USPB	Universal Steel Blank Sub-Panel, Black	3.95	3.79	3.63	3.48	3.32
USP-A	Universal Aluminum Blank Sub-Panel, Black	3.95	3.79	3.63	3.48	3.32
USP-P	Universal Plastic Blank Sub-Panel, White	3.85	3.70	3.54	3.39	3.23

Tip Build Custom Configurations with L-com's Universal Rack Panel System

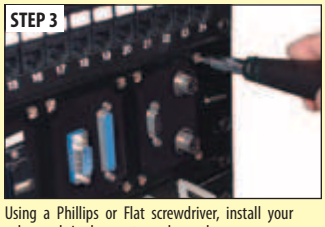
STEP 1


Start with the Master Rack Panel, UPR35-6B.

STEP 2


Now select a ready made sub-panel that works with your rack panel.

STEP 3


Using a Phillips or Flat screwdriver, install your sub-panels in the master rack panel.

Universal Series Sub-Panels Featuring Telecom/Network Grade Connections

This Universal sub-panel series offers connections for telecom and network equipment. Choose between Category 5e or Category 6 rated connections either shielded or non-shielded. Panel choices offer both feed-thru style couplers and jacks with 110 style punch terminations. Either 2 or 4 connections per panel can be chosen and blank panels are available for further customization. All panels are black steel and come equipped with four pre-tapped holes to accept the four 6-32 mounting screws which are supplied.

USP2MC5B	Sub-Panel with 2 Category 5e RJ45 Couplers	15.98	15.34	14.70	14.06	13.42
USP4MC5B	Sub-Panel with 4 Category 5e RJ45 Couplers	25.98	24.94	23.90	22.86	21.82
USP2SMC5B	Sub-Panel with 2 Category 5e RJ45 Couplers, Shielded	19.98	19.18	18.38	17.58	16.78
USP4SMC5B	Sub-Panel with 4 Category 5e RJ45 Couplers, Shielded	33.98	32.62	31.26	29.90	28.54
USP2MC6B	Sub-Panel with 2 Category 6 RJ45 Couplers	17.98	17.26	16.54	15.82	15.10
USP4MC6B	Sub-Panel with 4 Category 6 RJ45 Couplers	29.98	28.78	27.58	26.38	25.18
USP2SMC6B	Sub-Panel with 2 Category 6 RJ45 Couplers, Shielded	21.98	21.10	20.22	19.34	18.46
USP4SMC6B	Sub-Panel with 4 Category 6 RJ45 Couplers, Shielded	37.98	36.46	34.94	33.42	31.90
USP2MK-C5B	Sub-Panel with 2 Category 5e RJ45 / 110 Punch Connectors	11.98	11.50	11.02	10.54	10.06
USP4MK-C5B	Sub-Panel with 4 Category 5e RJ45 / 110 Punch Connectors	17.98	17.26	16.54	15.82	15.10
USP2MK-SC5B	Sub-Panel with 2 Category 5e RJ45 / 110 Punch Connectors, Shielded	15.98	15.34	14.70	14.06	13.42
USP4MK-SC5B	Sub-Panel with 4 Category 5e RJ45 / 110 Punch Connectors, Shielded	25.98	24.94	23.90	22.86	21.82
USP2MK-C6B	Sub-Panel with 2 Category 6 RJ45 / 110 Punch Connectors	21.98	21.10	20.22	19.34	18.46
USP4MK-C6B	Sub-Panel with 4 Category 6 RJ45 / 110 Punch Connectors	37.98	36.46	34.94	33.42	31.90
USP2MK-SC6B	Sub-Panel with 2 Category 6 RJ45 / 110 Punch Connectors, Shielded	17.98	17.26	16.54	15.82	15.10
USP4MK-SC6B	Sub-Panel with 4 Category 6 RJ45 / 110 Punch Connectors, Shielded	29.98	28.78	27.58	26.38	25.18
USP238B	Blank Sub-Panel with 2 Keystone Openings, Pre-Punched	5.95	5.71	5.47	5.24	5.00
USP231B	Blank Sub-Panel with 4 Keystone Openings, Pre-Punched	5.95	5.71	5.47	5.24	5.00


USP2MK-SC5B


USP4MK-SC5B


USP2MK-C6B


USP4MK-C6B


USP2MK-SC6B


USP4MK-SC6B

L-com Global Connectivity

We answer your technical questions
See a complete list of frequently asked questions at
L-com.com/FAQS


USP2ECF4SB


USP2ECF6SB

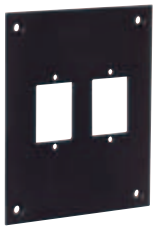

USP2ECF8SKB


USP2MB

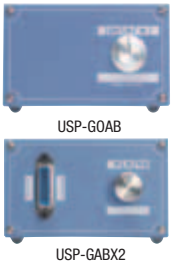

USP2ECF-UABB


USP2ECF-UABSB


USP2ECF-94MSB

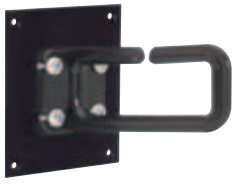

USP229B


USP24BFB USP24BFRB


USP-GOAB
USP-GABX2


USP-BPRB


USP-D2B


USP-CM134B

Item #	Description	1-9	10-24	25-99	100-249	250-499

Universal Series Sub-Panels Featuring Telecom, USB and Firewire Connections

This Universal sub-panel series offers connections for today's modern computer systems. Installers can choose the sub-panel that fits their specific connection needs. Panels come in a choice of feed-thru style couplers with either 2 or 4 connections per panel. A blank panel with ECF Series style openings is available for further customization. All panels are black steel and come equipped with four pre-tapped holes to accept the four 6-32 mounting screws which are supplied.

USP2ECF4SB	Sub-Panel with 2 RJ11 (6x4) Couplers, Straight Wired	13.98	13.42	12.86	12.30	11.74
USP2ECF6SB	Sub-Panel with 2 RJ12 (6x6) Couplers, Straight Wired	14.38	13.80	13.23	12.65	12.08
USP2ECF8SKB	Sub-Panel with 2 RJ45 (8x8) Couplers, Straight Wired	15.98	15.34	14.70	14.06	13.42
USP2MB	Sub-Panel with 2 RJ12 (6x6) Couplers, Straight Wired	10.30	9.89	9.48	9.06	8.65
USP4MB	Sub-Panel with 4 RJ12 (6x6) Couplers, Straight Wired	16.90	16.22	15.55	14.87	14.20
USP2ECF-UABB	Sub-Panel with 2 USB Type A to Type B Couplers	17.98	17.26	16.54	15.82	15.10
USP2ECF-UABSB	Sub-Panel with 2 USB Type A to Type B Couplers, Shielded	19.98	19.18	18.38	17.58	16.78
USP2ECF-94MSB	Sub-Panel with 2 Firewire Type 1 Couplers, Shielded	23.98	23.02	22.06	21.10	20.14
USP229B	Blank Sub-Panel with 2 ECF Style Openings, Pre-Punched	5.95	5.71	5.47	5.24	5.00

Universal Series Sub-Panels Featuring GPIB (IEEE-488) Couplers and Switch Boxes

This Universal sub-panel series offers couplers and switch boxes for IEEE-488 cabling installations. Panels come with either a standard GPIB coupler or a reverse entry style coupler mounted. We also carry a line of GPIB Switch Boxes that can be mounted into the Universal Series Master Frames. All panels are black steel and come equipped with four pre-tapped holes to accept the four 6-32 mounting screws which are supplied.

USP24BFB	Sub-Panel with 1 IEEE-488 (GPIB) Normal Entry Coupler	34.95	33.55	32.15	30.76	29.36
USP24BFRB	Sub-Panel with 1 IEEE-488 (GPIB) Reverse Entry Coupler	34.95	33.55	32.15	30.76	29.36
USP-GOAB	Switch Box, A to Rear I/O, B to Rear I/O, Off	77.00	73.92	70.84	67.76	64.68
USP-GABX2	Switch Box, A or B to Front I/O	77.00	73.92	70.84	67.76	64.68

Universal Series Sub-Panels Featuring Binding Post Connections for Test Applications

This Universal sub-panel series offers connections for test applications. All panels are black steel and come equipped with four pre-tapped holes to accept the four 6-32 mounting screws which are supplied.

USP-BPRB	Sub-Panel with Binding Post Pair, Black/Red	8.95	8.59	8.23	7.88	7.52

Universal Series Sub-Panel Accessories

Users can keep extra adapters handy with the optional drawer that fits into any one of the 6 Master Rack sub-panel openings. A D-Ring style cable manager mounted to a sub-panel is also available allowing for another convenient way to secure cables on the rack panel.

USP-D2B	Sub-Panel Mounted Drawer, 6" (15.2cm) Depth	19.95	19.15	18.35	17.56	16.76
USP-CM134B	Sub-Panel Mounted Cable D-Ring	16.95	16.27	15.59	14.92	14.24

To see our entire product offering
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USP-A1
USP221B

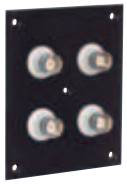

USP-A2
USP222B


USP-A4
USP224B


USP2BB


USP4BB


USP2BDB


USP4BDB


USP1NB


USP2MD6B


USP4MD6B


USP2RCAB


USP3RCAB


USP3RCA-CB


USP1SVID2RCAB


USP2TB


USP2TDB


USP2FDB

Item #	Description	1-9	10-24	25-99	100-249	250-499

Universal Series Sub-Panels Featuring Coaxial and Mini DIN Couplers

This Universal sub-panel series offers connections for data transmission over coaxial and DIN style connectors. Installers can choose the sub-panel that fits their specific connection needs. Panel choices offer feed-thru style couplers in either 2 or 4 connections per panel. Blank panels are also available for further customization. All panels come equipped with four pre-tapped holes to accept the four 6-32 mounting screws which are supplied.

USP-A1	Blank Sub-Panel with 1 0.5" (1.3cm) D-Hole, Black Aluminum	4.95	4.75	4.55	4.36	4.16
USP-A2	Blank Sub-Panel with 2 0.5" (1.3cm) D-Holes, Black Aluminum	4.95	4.75	4.55	4.36	4.16
USP-A4	Blank Sub-Panel with 4 0.5" (1.3cm) D-Holes, Black Aluminum	4.95	4.75	4.55	4.36	4.16
USP221B	Blank Sub-Panel with 1 0.5" (1.3cm) D-Hole, Black Steel	4.95	4.75	4.55	4.36	4.16
USP222B	Blank Sub-Panel with 2 0.5" (1.3cm) D-Holes, Black Steel	4.95	4.75	4.55	4.36	4.16
USP224B	Blank Sub-Panel with 4 0.5" (1.3cm) D-Holes, Black Steel	4.95	4.75	4.55	4.36	4.16
USP2BB	Sub-Panel with 2 BNC Couplers	13.95	13.39	12.83	12.28	11.72
USP4BB	Sub-Panel with 4 BNC Couplers	21.95	21.07	20.19	19.32	18.44
USP2BDB	Sub-Panel with 2 BNC Couplers, Insulated	14.95	14.35	13.75	13.16	12.56
USP4BDB	Sub-Panel with 4 BNC Couplers, Insulated	24.95	23.95	22.95	21.96	20.96
USP1NB	Sub-Panel with 1 Type N Coupler	19.95	19.15	18.35	17.56	16.76
USP2MD6B	Sub-Panel with 2 Mini DIN 6 Couplers	22.98	22.06	21.14	20.22	19.30
USP4MD6B	Sub-Panel with 4 Mini DIN 6 Couplers	39.98	38.38	36.78	35.18	33.58
USP2RCAB	Sub-Panel with 2 RCA Couplers, Red/White	12.98	12.46	11.94	11.42	10.90
USP3RCAB	Sub-Panel with 3 RCA Couplers, Yellow/Red/White	15.98	15.34	14.70	14.06	13.42
USP3RCA-CB	Sub-Panel with 3 RCA Couplers, Green/Blue/Red	15.98	15.34	14.70	14.06	13.42
USP1SVID2RCAB	Sub-Panel with 1 Mini DIN 4 and 2 RCA Couplers	20.98	20.14	19.30	18.46	17.62
USP2TB	Sub-Panel with 2 TNC Couplers	14.98	14.38	13.78	13.18	12.58
USP2TDB	Sub-Panel with 2 TNC Couplers, Insulated	16.98	16.30	15.62	14.94	14.26
USP2FDB	Sub-Panel with 2 Type F Couplers, Insulated	10.98	10.54	10.10	9.66	9.22

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Tips
Easy-to-understand tips to help with some of today's popular product applications. L-com.com/Tips



Item #	Description	1-9	10-24	25-99	100-249	250-499

Universal Series Sub-Panels Featuring D-Sub Connections

This Universal sub-panel series offers connections for D-Sub style cables. Installers can choose the sub-panel that fits their specific connection needs. Panel choices are available with up to 2 feed-thru style couplers per panel. Blank panels are available for further customization. All panels come equipped with four pre-tapped holes to accept the four 6-32 mounting screws which are supplied.

USP232B	Blank Sub-Panel with 2 DB9 / HD15 Cutouts	5.95	5.71	5.47	5.24	5.00
USP230B	Blank Sub-Panel with 2 DB15 / HD26 Cutouts	5.95	5.71	5.47	5.24	5.00
USP234B	Blank Sub-Panel with 2 DB25 / HD44 Cutouts	5.95	5.71	5.47	5.24	5.00
USP242B	Blank Sub-Panel with 1 DB37 / HD62 Cutout	5.95	5.71	5.47	5.24	5.00
USP2DB9FB	Sub-Panel with 2 DB9 Female Couplers	15.98	15.34	14.70	14.06	13.42
USP2HDB15FB	Sub-Panel with 2 HD15 Female Couplers	21.98	21.10	20.22	19.34	18.46
USP2DB15FB	Sub-Panel with 2 DB15 Female Couplers	17.98	17.26	16.54	15.82	15.10
USP2HDB26FB	Sub-Panel with 2 HD26 Female Couplers	23.98	23.02	22.06	21.10	20.14
USP2DB25FB	Sub-Panel with 2 DB25 Female Couplers	19.98	19.18	18.38	17.58	16.78
USP2HDB44FB	Sub-Panel with 2 HD44 Female Couplers	25.98	24.94	23.90	22.86	21.82
USP-DB9-25FB	Sub-Panel with 1 DB9 and 1 DB25 Female Coupler	17.98	17.26	16.54	15.82	15.10
USP-DB37FB	Sub-Panel with 1 DB37 Female Coupler	13.95	13.39	12.83	12.28	11.72

Audio/Video Sub-Panels

Design and build your own custom rack panel using simple pre-fabricated sub-panels. These steel sub-panels feature a variety of couplers and connectors with a black matte finish. Supplied with four 6-32 screws for quick installation into L-com's Universal Master Rack Frame.

USP2HDB	Sub-Panel with 2 HDMI Female Couplers	27.95	26.83	25.71	24.60	23.48
USP2DVIB	Sub-Panel with 2 DVI Female Couplers	35.98	34.54	33.10	31.66	30.22
USP2XLRM	Sub-Panel with 2 XLR Male Connectors	12.95	12.43	11.91	11.40	10.88
USP2XLRF	Sub-Panel with 2 XLR Female Connectors	12.95	12.43	11.91	11.40	10.88
USP2XLRMF	Sub-Panel with 1 XLR Male Connector and 1 XLR Female Connector	12.95	12.43	11.91	11.40	10.88
USP2-35MM	Sub-Panel with 2 3.5mm Audio Couplers	20.98	20.14	19.30	18.46	17.62
USP4-35MM	Sub-Panel with 4 3.5mm Audio Couplers	13.95	13.39	12.83	12.28	11.72
USP4MIDI	Sub-Panel with 4 DIN 5-MIDI Female Couplers	22.95	22.03	21.11	20.20	19.28

Customer Testimonials
Read why others choose L-com.
L-com.com/Testimonials

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USP2FOPTB


USP4FOPTB


USP1FOPT-DSCB


USP2FOPT-DSCB


USP1FOPT-MTRJB


USP1FOPT-LCSDB

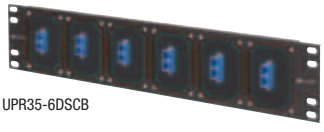

USP2QD-MM

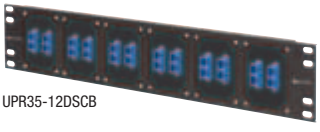

USP2FC-APC

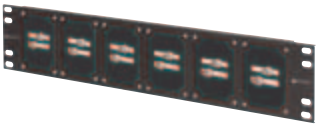

USP4FC-APC

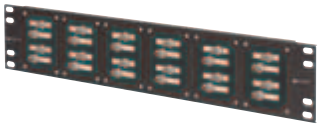

USP1DSC-APC

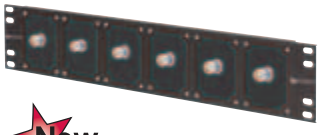

USP2DSC-APC


UPR35-6DSCB


UPR35-12DSCB


UPR35-12STB


UPR35-24STB



UPR35-1NB

Item #	Description	1-9	10-24	25-99	100-249	250-499

Universal Series Sub-Panels Featuring Fiber Optic Couplers

This Universal sub-panel series offers connections for fiber networks. Panel choices available in ST, SC, MTRJ, LC or FC coupler configurations. All panels are black steel and come equipped with four pre-tapped holes to accept the four 6-32 mounting screws which are supplied.

USP2FOPTB	Sub-Panel with 2 Simplex ST Couplers	14.95	14.35	13.75	13.16	12.56
USP4FOPTB	Sub-Panel with 4 Simplex ST Couplers	19.95	19.15	18.35	17.56	16.76
USP1FOPT-DSCB	Sub-Panel with 1 Duplex SC Coupler	16.95	16.27	15.59	14.92	14.24
USP2FOPT-DSCB	Sub-Panel with 2 Duplex SC Couplers	19.95	19.15	18.35	17.56	16.76
USP1FOPT-MTRJB	Sub-Panel with 1 MTRJ Coupler	24.95	23.95	22.95	21.96	20.96
USP1FOPT-LCSDB	Sub-Panel with 1 Duplex LC Coupler	16.98	16.30	15.62	14.94	14.26
USP2QD-MM	Sub-Panel with 2 Multimode Quad LC Couplers	24.95	23.95	22.95	21.96	20.96
USP2QD-SM	Sub-Panel with 2 Single mode Quad LC Couplers	39.95	38.35	36.75	35.16	33.56
USP2FC-APC	Sub-Panel with 2 Simplex APC FC Couplers	26.95	25.87	24.79	23.72	22.64
USP4FC-APC	Sub-Panel with 4 Simplex APC FC Couplers	42.95	41.23	39.51	37.80	36.08
USP1DSC-APC	Sub-Panel with 1 Duplex APC SC Coupler	23.95	22.99	22.03	21.08	20.12
USP2DSC-APC	Sub-Panel with 2 Duplex APC SC Couplers	25.95	24.91	23.87	22.84	21.80

Universal Series Master Rack Panel Pre-Populated with USP Series Fiber Optic Sub-Panels

These Master Rack Panels come with our USP Series Fiber Sub-panels already pre-installed. Available in 12 and 24 Port configurations, these panels are offered in Type N, SC or ST versions. These panels provide a straight out of the box solution to many connectivity needs. No need for assembly on site, just install these panels on your rack and start patching in your cables right away.

UPR35-6DSCB	3.50" (8.9cm) Universal Rack Panel, 6 Duplex SC Couplers	129.98	124.78	119.58	114.38	109.18
UPR35-12DSCB	3.50" (8.9cm) Universal Rack Panel, 12 Duplex SC Couplers	149.98	143.98	137.98	131.98	125.98
UPR35-12STB	3.50" (8.9cm) Universal Rack Panel, 12 ST Couplers	114.98	110.38	105.78	101.18	96.58
UPR35-24STB	3.50" (8.9cm) Universal Rack Panel, 24 ST Couplers	149.95	143.95	137.95	131.96	125.96

Universal Rack Panel with 6 Type N Coaxial Grounded Couplers, 50 Ohm

L-com's Universal Sub-Panel system offers you an easy way to configure a customized rack panel with various connectors. This rack frame comes pre-loaded with six N Type Coaxial coupler panels.

UPR35-1NB	3.50" (8.9cm) Universal Rack Panel, 6 Type N Coaxial Couplers	139.95	131.55	123.16	114.76	106.36

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Free technical support
Call toll free at 1-800-343-1455
if you have questions about your application.

Item #	Description	1-9	10-24	25-99	100-249	250-499

Domestic and International Power Cords - UL/CSA or European Approved

L-com stocks several popular external power cords for domestic, international and medical applications. All assemblies are fully molded and meet the required safety specifications.

Domestic Power Cords - UL/CSA Approved

Connector options include N5/15, C7, C13, N1/15 and a pigtail end. Heavy duty cable is 18 AWG, color is Black.

PCM1000	Power Cord SPT2-18 AWG, N1/15P-EN60320C7, UL/CSA, 6'7" (2.0m)	3.95	3.79	3.63	3.48	3.32
PCM1010	Power Cord SVT3-18 AWG, N5/15-Pigtail, UL/CSA, 6'7" (2.0m)	4.95	4.75	4.55	4.36	4.16
PCM1012	Power Cord SVT3-18 AWG, N5/15-EN60320C13, UL/CSA, 7'6" (2.3m)	5.95	5.71	5.47	5.24	5.00
PCM1014	Power Cord SJT3-18 AWG, N5/15-EN60320C13, UL/CSA, 9'10" (3.0m)	5.95	5.71	5.47	5.24	5.00

Hospital Grade Power Cords - UL/CSA Approved

Connectors are Hospital Grade N5/15 to C13. 18 AWG cable is Gray, connector mold options are Gray and Clear.

PCM1050	Power Cord Gray Mold, SJT3-18 AWG, N5/15-EN60320C13, UL/CSA, 10' (3.1m)	9.45	9.07	8.69	8.32	7.94
PCM1052	Power Cord Clear Mold, SJT3-18 AWG, N5/15-EN60320C13, UL/CSA, 10' (3.1m)	9.45	9.07	8.69	8.32	7.94

International Power Cords - Meets VDE and Several Other Approvals

Connector options are CEE7/7 to C13 and EN50075 to C7, color is Black.

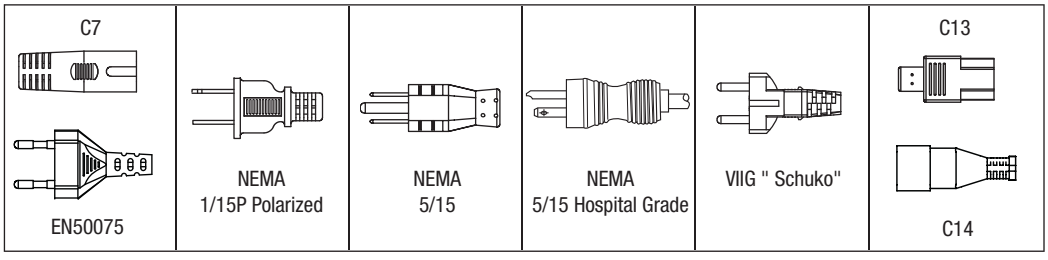
PCM1020	Power Cord H05VVF3Gx1.00mm, CEE7/7- EN60320C13, VDE, 8'2" (2.5m)	7.95	7.63	7.31	7.00	6.68
PCM1030	Power Cord H03VVH2F2X0.75mm, EN50075-EN60320C7, VDE, 6' (1.8m)	6.95	6.67	6.39	6.12	5.84

Universally Approved Jumper Cords - Domestic and European Approved, UL/CSA, VDE

Connectors are C13 to C14, lengths are 3'3" (1.0m), 6'7" (2.0m) and 9'10" (3.0m). Heavy duty cable is 18 AWG, color is Black.

PCM1040	Power Cord SJT3-18 AWG, EN60320C13/C14, UL/CSA VDE, 3'3" (1.0m)	4.95	4.75	4.55	4.36	4.16
PCM1042	Power Cord SJT3-18 AWG, EN60320C13/C14, UL/CSA VDE, 6'7" (2.0m)	5.95	5.71	5.47	5.24	5.00
PCM1044	Power Cord SJT3-18 AWG, EN60320C13/C14, UL/CSA VDE, 9'10" (3.0m)	6.95	6.67	6.39	6.12	5.84

Power Cord Identification Guide



Switching Power Supplies, Power Cords, PoE Power Supplies and Lighter Power Adapters

We offer a broad range of switching power supplies which support 110/220 VAC operation. Models in this series include 9 VDC, 12 VDC, 15 VDC and 48 VDC options. Additionally, PoE power supplies are available which provide data and power over a single Cat5 cable to end devices which are compliant with IEEE standard PoE pinout (Pins 4 & 5 Power +/Pins 7 & 8 Power -).

L-com's PS4820-POE-1 is a power supply with integral DC Injector. It provides DC power for one PoE-equipped device by "Injecting" DC power through the Cat5 Ethernet cable. It is compatible with APs and other equipment supporting the IEEE standard PoE pinout (Pins 4 & 5 Power +/Pins 7 & 8 Power -). This unit can also be used with Cisco PoE equipment using the optional PoE conversion cable.

- 9V, 12V, 15V, 48 VDC models available
- Use with PoE injectors/taps, wireless radios, RF amplifiers and more
- 20W and 60W PoE power supplies

Switching Power Supplies

PS909-21R	9 VDC @ 1A (9W), 2.1mm DC Plug	9.99	9.59	9.19	8.49	7.49
PS1212-21R	12 VDC @ 1A (12W), 2.1mm Right Angle DC Plug	12.99	12.47	11.95	11.04	9.74
PS1224-21R	12 VDC @ 2A (24W), 2.1mm Right Angle DC Plug	14.99	14.39	13.79	12.74	11.24
PS1240-21R	12 VDC @ 3.33A (40W), 2.1mm Right Angle DC Plug	21.99	21.11	20.23	18.69	16.49
PS1566	15 VDC @ 4.4A (66W), 2.1mm DC Plug	89.99	86.39	82.79	76.49	67.49
PS4820-POE-1	48 VDC @ 20W, Dual RJ45 Jacks	23.25	21.86	20.46	19.07	17.67
PS4870-25R	48 VDC @ 1.5A (70W), 2.5mm Right Angle DC Plug	59.00	56.64	54.28	50.15	44.25
PS4848-25R	48 VDC @ 1A (48W) 2.5mm Right Angle DC Plug	24.95	24.45	23.95	23.45	22.95
PS4860-POE	48 VDC @ 1.25A (60W), Dual RJ45 PoE, Requires PSCORD3	74.99	71.99	68.99	63.74	56.24

Lighter Plug to 2.1mm Right Angle DC Plug, 3A Fuse

PS-LIGHTER-06	Cigarette Plug to 2.1mm Right Angle DC Plug, 3A Fuse, 6ft (1.8m)	9.99	9.59	9.19	8.49	7.49

12 Volt to 48 Volt DC/DC Boost Converter (Regulator)

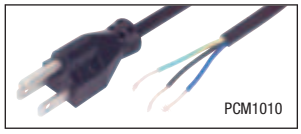
The PC12480.8 DC-to-DC Converter is designed to convert 12VDC (12-26) battery voltage to 48VDC @ 0.85A. It is ideal for mobile applications that require 48VDC electronic equipment to be powered by converting the 12VDC (12-26) power from most cars, trucks or aircraft.

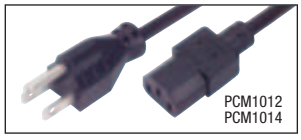
PC12480.8	12 Volt to 48 Volt DC/DC Boost Converter (Regulator)	54.99	52.79	50.59	46.74	41.24

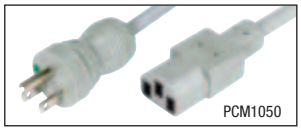
Accessories

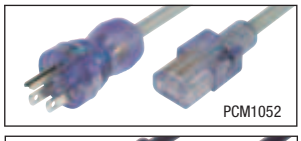
PSX-EU1	US Flat or Euro Round to Euro 4.8mm Round A/C Adapter	3.99	3.59	3.19	2.79	2.39
PSX-EU2	EU 4/4.8mm Round to US NEMA 6-15R Flat A/C Adapter	3.99	3.59	3.19	2.79	2.39
PSCORD2	2 Conductor Plug, USA/AC Power Cord, 1ft (0.3m)	3.99	3.59	3.19	2.79	2.39
PSCORD3	3 Conductor Plug, USA/AC Power Cord, 1ft (0.3m)	2.99	2.75	2.51	2.27	2.03
CA-POE-02	Cat5 PoE Conversion Cable for Cisco APs, 2ft (0.6m)	14.99	13.49	11.99	10.49	8.99

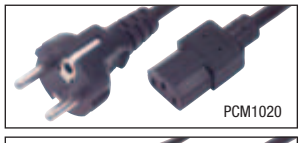

PCM1000

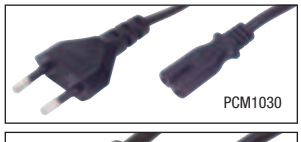

PCM1010

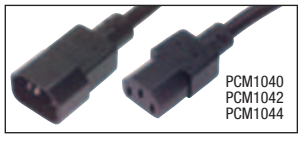

PCM1012
PCM1014


PCM1050


PCM1052


PCM1020


PCM1030


PCM1040
PCM1042
PCM1044


PS1224-21R


PS4820-POE-1



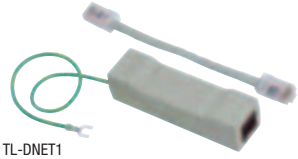
PC12480.8

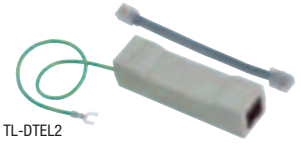
Certifications
A complete company documentation package is available for download. L-com.com/Profile

L-com Global Connectivity


PD-915R
(Rear View)


TL-SS7415-15


TL-DNET1


TL-DTEL2


TL-IBAR12
(rack mount)


TL-RS1215


TL-OFFICE300


TL-OFFICE500
(Front and Rear View)

19" x 1.75" Rackmountable Power Distribution Unit with Surge Protection

The PD-915R rackmount power distribution unit is equipped with 8 rear outlets and one front outlet. Standard equipment includes surge and spike protection, EMI filtering and a 9 foot cord. A generous 8.75" depth offers easy access to the 15 amp rear panel outlets which are solidly mounted on yokes to eliminate deflection. An illuminated combination power switch/circuit breaker is located on the front panel. Occupies one rackspace, finished with a durable Black powder coat. UL recognized, listing pending. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote!**

Item #	System Type	Number of Outlets	Dimensions (Inches)	Rack Mounting	Shipping Weight	Price
PD-915R	Surge Only	9	7.5w x 1.75h x 8.75d	1 Space	8.5	119.82

Tripp Lite 16 and 24 Outlet Power Strips with Surge Suppression

These Tripp Lite power strips with AC surge suppression offer a convenient method of horizontal or vertical power distribution in equipment racks, computer rooms, workbenches, raceways and more. By utilizing these power strips you can protect connected equipment from transient surges and line noise with built-in surge suppression rated at 450 joules. Corded, multi-outlet strip reduces cabling clutter and enables the connection of multiple electrical devices to a single AC wall socket. Features rugged all-metal housing, lighted power switch with transparent guard to prevent accidental shutoff, 15A resettable circuit breaker and attractive gray housing with black output receptacles. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote!**

Item #	System Type	Number of Outlets	Dimensions (Inches)	Shipping Weight	Price
TL-SS7415-15	Surge Only	16	48w x 1.5h x 1.5d	4.5	75.00
TL-SS7619-15	Surge Only	24	72w x 1.5h x 1.5d	6.0	89.00

Tripp Lite Network and Telephone Surge Suppressors

Protecting equipment at the power input is not complete protection. Static discharge, lightning and faulty wiring can send damaging surges through data ports. This vulnerability can be easily eliminated with an inline suppressor. In considering the cost of replacing damaged equipment and resultant lost productivity, the cost of protection is truly small. Two-year manufacturer's warranty. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote!**

Item #	Connector	Application	Lines Protected	Peak Pulse Clamping Voltage	Maximum Current	Price
TL-DNET1	RJ45	100Base-T, 10Base-T, Token Ring, RS422, AS400	1 - 8	7.5 V	750 Amps	20.95
TL-DTEL2	RJ11/RJ45	Single and 2 Line Telephone Equipment, RJ11/45	4, 5 and 3, 6 Pairs	260 V	250 Amps	22.95

Tripp Lite Network Grade Rackmount Surge Suppressor

Tripp Lite's IBAR12 offers network-grade surge and noise suppression in a versatile all-metal multi-mount cabinet. Detachable mounting flanges are configurable for rackmount (1U), wallmount and under-counter installation. Features network grade AC surge suppression with EMI/RFI noise filtering. Outlets are arranged in exclusive isolated filter banks to limit noise interaction among connected items. Includes 12 outlets (2 front / 10 rear), 15 ft AC power cord and guarded power switch to reduce the risk of accidental shutoff. Diagnostic LEDs indicate AC present, line fault and protection status. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote!**

Item #	System Type	Number of Outlets	Dimensions (Inches)	Rack Mounting	Shipping Weight	Price
TL-IBAR12	Surge Only	12	17.5w x 1.75h x 4d	1 Space	6.5	129.00

Tripp Lite Rack Mount Power Strip

This rack mount power strip packs many useful features into a slim single rack space of 1.75" height. Outlets are conveniently located on both sides of the unit. Two-year manufacturer's warranty. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote!**

Item #	System Type	Number of Outlets	Dimensions (Inches)	Rack Mounting	Shipping Weight	Price
TL-RS1215	Non-Surge	12	17.5w x 1.75h x 4.5d	1 Space	4.0	49.95

Note: This power strip does not provide surge or line noise protection.

Tripp Lite Internet Office Series Power Back-up System

Tripp Lite's Internet Office standby UPS systems offer complete protection from blackouts, brownouts and transient surges on both AC and dialup modem lines. The Internet Office offers complete power protection in an ultra-compact, flat-pack housing. Includes 3 battery supported outlets for computer, monitor and one vital system peripheral, plus 3 additional surge suppression-only outlets for printers and other system accessories not requiring battery support. A built-in single line RJ11 phone suppression jacks protect modem, fax machine, cordless phone or other peripheral with standard dialup phone connection. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote!**

Item #	Capacity (VA/Watts)	System Type	Number of Outlets	Backup Time Half/Full Load	Dimensions (Inches)	Shipping Weight	Price
TL-OFFICE300	300/150	Line Interactive	6	10/4 min	2.6w x 11h x 4.5d	5.0	75.00
TL-OFFICE500	500/280	Line Interactive	6	5/17 min	4.75w x 8.25h x 7d	16.0	119.00

Tripp Lite SmartOnline UPS Series

Tripp Lite's SmartOnline UPS Systems provide the highest level of power protection for mission-critical applications. True on-line operation completely isolates connected equipment from all power problems: blackouts, brownouts, surges, line noise, even harmonic distortion. Double-conversion operation continually converts incoming AC power into DC power, and then resynthesizes it back into normal AC power. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote!**

Item #	Capacity (VA/Watts)	System Type	Number of Outlets	Backup Time Half/ Full Load	Dimensions (Inches)	Rack Mounting	Shipping Weight	Price
TL-SU750XL	750/600	Line Interactive	6	11/4 min	6.75w x 10h x 13.25d	No	28.7	479.00
TL-SU750RTXL2U	750/600	Line Interactive	6	11/4 min	17.5w x 3.5h x 13.5d	2 Space	29.0	529.00
SU1500RTXL2UA	1570/1200	Line Interactive	6	17/5 min	17.5w x 3.5h x 19d	2 Space	44.1	799.00
SU2200RTXL2UA	2200/1600	Line Interactive	6	18/5 min	17.5w x 3.5h x 19d	2 Space	47.4	1229.00
SU3000RTXR3U	3000/2400	Line Interactive	9	33/14 min	17.75w x 5.25h x 26d	3 Space	111.33	1949.00

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Tripp Lite Smart Pro® Intelligent UPS System

The Tripp Lite Smart Pro® Intelligent UPS System is an ideal power protection solution for hubs, routers, switches, telephone systems and other critical moderate power devices. Innovative design packs battery backup and automatic voltage protection into an ultra small rack mountable package only a single rack space (1.75") high. Unattended shutdown capable via an RS232 port (PowerAlert® software included). The battery replacement door is conveniently located on the front panel. Shipping weight is 18.5 lb. Two-year manufacturer's warranty. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote!**

Item #	Capacity (VA/Watts)	System Type	Number of Outlets	Backup Time Half/ Full Load	Dimensions (Inches)	Rack Mounting	Shipping Weight	Price
TL-SMART500RT1U	500/300	Line Interactive	7	17/5 min	17.5w x 1.75h x 11.75d	1 Space	18.8	195.00



TL-SMART500RT1U

Tripp Lite Eco Series Energy-Saving Standby UPS System

The ECO550UPS, by Tripp Lite, is comprised of four battery back and surge suppression outputs and four surge suppression-only outputs, three of which offer an intelligent, power-saving design that power off any attached unused equipment. As well as a USB port (cable included) allowing for built-in power management and automatic shutdown, controlled via Tripp Lite's free PowerAlert software. Convenient audible alarm and front panel L.E.D.s offer easy status information regarding line and battery operation. The unit's 550VA/300W power allows entry-level PCs power for up to 17 minutes, mitigating data loss and allowing time for shutdown. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote!**

Item #	Capacity (VA/Watts)	System Type	Number of Outlets	Backup Time Half/Full Load	Dimensions (Inches)	Shipping Weight	Price
ECO550UPS	550/300	Surge/Battery	8	10/3.5 min	3.1w x 10.8h x 5.7d	6.6	109.80



ECO550UPS

Tripp Lite OMNIVS1000 Tower Line-Interactive UPS System

The OMNIVS1000, by Tripp Lite, offers a tower form factor, housing six battery and surge suppression outputs along with two surge suppression-only outputs. This unit offers up to 60 minutes of power for entry-level PCs with its 1000VA/500W power supply. The unit supports battery replacement via the built-in access panel, with built-in audible alarm and 4 front panel LEDs indicate line power status, battery power status, battery low/replace status and overload. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote!**

Item #	Capacity (VA/Watts)	System Type	Number of Outlets	Backup Time Half/Full Load	Dimensions (Inches)	Shipping Weight	Price
OMNIVS1000	1000/500	Surge/Battery	8	14/3.5 min	10.8w x 5.2h x 7.5d	18.4	219.60



OMNIVS1000

Tripp Lite BC PERSONAL Series Compact UPS System

The BC350, by Tripp Lite, offers an ultra-compact space-saving design. Six widely spaced outputs accommodate transformer plugs without blocking neighboring outlets. The unit's six outlets are comprised of three surge suppression with full battery support, and three surge suppression-only outputs. Convenient audible alarm and front panel L.E.D.s offer easy status information regarding line and battery operation. The unit's 350VA/180W power allows entry-level PCs power for up to 12 minutes, mitigating data loss and allowing time for shutdown. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote!**

Item #	Capacity (VA/Watts)	System Type	Number of Outlets	Backup Time Half/Full Load	Dimensions (Inches)	Shipping Weight	Price
TL-BC350	350/180	Surge/Battery	6	10/2.5 min	3w x 10.5h x 5d	10	72.90



TL-BC350

Tripp Lite AVR Series Ultra-Compact Line-Interactive UPS System

The AVR750U, by Tripp Lite, offers an uninterruptible, professional and consumer level, power supply solution in an ultra-compact design. The ability to switch to backup battery power within milliseconds allows connected equipment smooth and continuous operation during power interruption. The unit is comprised of six surge suppression and battery backup outputs and six surge suppression-only outlets. As well as a USB port allowing for built-in power management and automatic shutdown, controlled via Tripp Lite's free PowerAlert software. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote!**

Item #	Capacity (VA/Watts)	System Type	Number of Outlets	Backup Time Half/Full Load	Dimensions (Inches)	Shipping Weight	Price
AVR750U	750/450	Surge/Battery	12	10/3 min	4w x 12h x 7d	15.3	88.59



AVR750U

Tripp Lite SMARTPRO Series 2U Rack/Tower UPS System

The SMART1500LCD, by Tripp Lite, is a digital UPS System offering voltage regulation, surge suppression and long-lasting battery support via 1500VA/900W. Multiple configurations: upright tower, flat shelf-mount or 2U rack-mount installation in an attractive all-black cabinet design. Built-in USB and DB9 serial port enables optional unattended system shutdown in case of extended power failure (cabling included). Built-in audible alarm and large LCD front panel voltage display indicates line power status, battery power status, battery low/replace status and voltage boost operation. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote!**

Item #	Capacity (VA/Watts)	System Type	Number of Outlets	Backup Time Half/Full Load	Dimensions (Inches)	Shipping Weight	Price
SMART1500LCD	600/345	Line Interactive	6	19/7 min	5.25w x 10.75h x 7.25d	19.0	338.40



SMART1500LCD

Tripp Lite BCPRO Series Desktop UPS Systems

Tripp Lite's BCPRO600 standby UPS system offers surge suppression and long lasting battery support for personal computers, internet working equipment and other sensitive electronics. Internal UPS circuits support entry level PC systems for up to 45 minutes during power failures and brownouts so that connected equipment can be shutdown without data loss. Includes 3 battery supported outlets for computer, monitor and one vital system peripheral, plus 3 additional surge suppression-only outlets for printers and other system accessories not requiring battery support. USB port enables optional unattended system shutdown without data loss in the case of extended power failure, USB cable included. **As an authorized Tripp Lite reseller, we can bid on RFQs for any Tripp Lite part numbers. Contact us to request a non-obligatory quote!**

Item #	Capacity (VA/Watts)	System Type	Number of Outlets	Backup Time Half/Full Load	Dimensions (Inches)	Shipping Weight	Price
TL-BCPRO600	600/345	Line Interactive	6	19/7 min	5.25w x 10.75h x 7.25d	19.0	139.00



TL-BCPRO600
(Front and Rear View)

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Ethernet Media Converters Tutorial

What is an Ethernet Media Converter?

An Ethernet Media Converter is a network device used to extend network connection beyond the 100 meter maximum segment length of traditional copper UTP/STP Ethernet cabling. It is also useful if EMI/RFI emissions or interference are of concern as the device will convert the electrical data signals into light pulses that will travel over the fiber optic cabling. This has two additional benefits. It electrically isolates both network nodes from each other eliminating any ground loop concerns or voltage spikes from lightning. It also provides a measure of security to your network transmissions as it is virtually impossible to tap into the transmitted signal without detection.

How is an Ethernet Media Converter used?

Ethernet Media Converters typically have two types of ports; one for the copper (UTP/STP) side of the conversion, (usually an RJ45 jack), and one for fiber side, which can vary depending on the unit (usually ST, SC or LC). Once you have selected the media converter that meets your needs, you simply plug your copper network cable into the RJ45 jack and then make your connection to your Fiber optic cabling. For the majority of unmanaged Ethernet Media Converters once you power up the unit you are done with your installation.

Where are Ethernet Media Converters used?

Ethernet Media Converters are used wherever long network runs are required that exceed the 100 meter maximum segment length of traditional copper UTP/STP such as large Corporate or University campuses, large high rise buildings or Municipal buildings that cover a wide area or wherever ground loops or voltage spikes from lightning may be cause for concern. You will also find these products wherever intense EMI/RFI which could interfere with your network is present such as Industrial/Manufacturing Facilities or in environments where the introduction of stray electrical signals are strictly regulated such as hospitals, clean rooms and aircraft just to provide a few examples.

Distance Limitations of Copper and Fiber Optic Network Cabling Types:

Cable Type	Distance Limitation	Cable Type	Distance Limitation
Category 5/5e/6 UTP and STP cable	100 Meters Max.	Multimode Fiber Cable 50/125µ	2 Km Max. (550m for some Gigabit applications)
Multimode Fiber Cable 62.5/125µ	2 Km Max. (220m for some Gigabit applications)	Single mode Fiber Cable 9/125µ	*15 Km to 80 Km (Typical)

***Note:** Some Single mode fiber media converters can extend up to 100 Km. These devices use special high powered laser transceivers to achieve these distances.

Form Factors

There are typically three styles of Ethernet Media Converters, 1) Standalone units with completely enclosed cases, 2) Card based chassis only models and 3) DIN Rail Mount Industrial Models. Standalone converters are typically used in locations where only one or two conversions are needed. The chassis based options are often used in large MDF or IDF locations where multiple fiber links are converted to UTP. The DIN Rail Mount Industrial Ethernet Media Converters as the name would suggest are used in large manufacturing plants where the harsh conditions and limited space and power options make it ideally suited. Note: some standalone unmanaged models can also be used in special multi-slot chassis designed specifically for them. (see PTMC1500 on page 235)



Standalone



Chassis

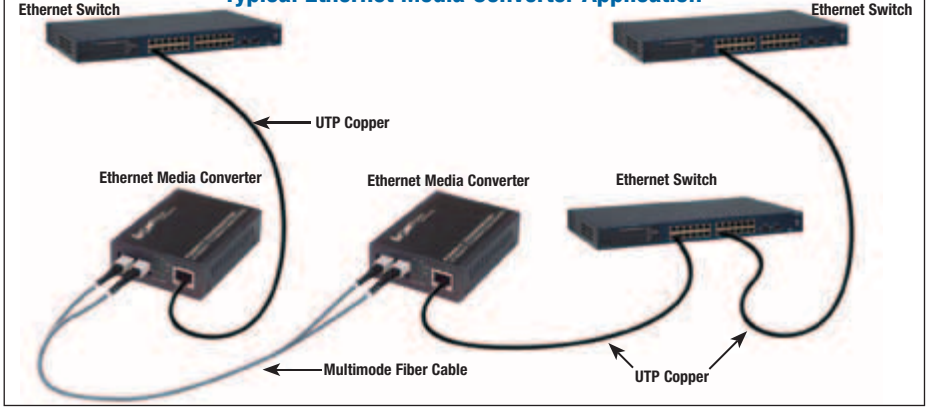


Industrial

Managed and Unmanaged

Unmanaged or "plug and play" Ethernet Media Converters are easy to install and trouble shoot. The disadvantage with unmanaged converters is when a network issue is occurring, there is no way to access the Ethernet Media Converter to see exactly what might be causing the issue. Many chassis based Ethernet Media Converter solutions feature an option for an SNMP card that shows statistics and overall health of all the media converters in the chassis. This is helpful when you have multiple chassis filled with Ethernet Media Converters in a large data center. Additionally there are some standalone converters on the market today that support SNMP management.

Typical Ethernet Media Converter Application



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Item #	Description	Maximum Segment Length	List Price

L-com 10/100TX to 100FX Fast Ethernet Media Converters

L-com's LCMC series of economical plug and play media converters are the perfect solution for extending Ethernet LANs. These robust media converters support half and full duplex operation, and feature easy to read system status LEDs. These converters are powered by an external 5V DC power supply (included).

LCMC-MC-2	L-com Ethernet Media Converter 10/100TX RJ45 to 100FX Multimode Duplex SC	100m/2km	59.00
LCMC-SA-25	L-com Ethernet Media Converter 10/100TX RJ45 to 100FX Single mode Duplex SC	100m/25km	88.00
LCMC-SA-40	L-com Ethernet Media Converter 10/100TX RJ45 to 100FX Single mode Duplex SC	100m/40km	128.00
LCMC-SA-60	L-com Ethernet Media Converter 10/100TX RJ45 to 100FX Single mode Duplex SC	100m/60km	148.00
LCMC-SA-80	L-com Ethernet Media Converter 10/100TX RJ45 to 100FX Single mode Duplex SC	100m/80km	228.00

L-com 10Base-T RJ45 to 10Base-5 DB15M AUI Media Converter/Transceiver

L-com's Super-Slim 10Base-T transceivers are small & lightweight, designed to connect your existing Thick Ethernet Adapter Card to a 10Base-T UTP network. This super-slim model accommodates installation into narrow slot spaces typically found in older SUN SPARC™, IBM®, RISC/6000™ and Apple Macintosh™ systems. The transceiver converts 10Base-5 signals via a DB15M/AUI connector to standard RJ45 Jack for 10Base-T Ethernet transmission over Unshielded Twisted-Pair cable.

LCTP-10BT-10B5	L-com Ethernet Media Converter/Transceiver, 10Base-T RJ45 to 10Base-5 DB15M AUI	34.98

L-com 10Base-T RJ45 to 10Base-2 Thinnet Coax BNC Media Converter

L-com's media converter is designed to connect your existing Thin Ethernet adapter card or Thin Ethernet Network to a 10Base-T UTP network. This converter repeats signals from Thin Ethernet for transmission over Unshielded Twisted-Pair (UTP) cable to a 10Base-T hub. Includes an external power supply Power: 12V DC 1.0A.

LCTP-10BT-10B2	L-com Ethernet Media Converter, 10Base-T RJ45 to 10Base-2 Thinnet Coax BNC	79.00

Planet 10/100TX to 100FX Fast Ethernet Media Converters

Planet's line of Fast Ethernet Media Converters offer users a cost effective option to convert from fiber to copper in a network. The Planet converters make it easy to extend network segments up to 2km over multimode fiber optic cable. Includes a 5 VDC power supply. **As an authorized Planet reseller, we can bid on RFQs for any Planet part numbers. Contact us to request a non-obligatory quote!**

NCPT3-2133	Planet Ethernet Media Converter 10/100TX RJ45 to 100FX Multimode Duplex ST	100m/2km	69.00
NCPT3-2143	Planet Ethernet Media Converter 10/100TX RJ45 to 100FX Multimode Duplex SC	100m/2km	69.00
NCPT3-2135	Planet Ethernet Media Converter 10/100TX RJ45 to 100FX Multimode MTRJ	100m/2km	149.00

Planet 1000TX to 1000 FX Gigabit Ethernet Media Converter with Mini-GBIC Modules

Planet's NCPT4-21010 Gigabit Ethernet Media Converters offer users a cost effective and flexible solution for converting gigabit copper to gigabit fiber in a network. The Planet converter has a standard 1000Base-T RJ45 port and a Single SFP port. The SFP port can be populated with one of Planets Mini-GBIC modules to allow you to select the one that has function & features required by your application. The SX module gives you two different multimode options and the LX provides a cost effective overall solution by providing both multimode options as well as supporting single mode. Includes a 5 VDC power supply. **As an authorized Planet reseller, we can bid on RFQs for any Planet part numbers. Contact us to request a non-obligatory quote!**

NCPT4-21010	Planet Ethernet Media Converter 1000Base-T RJ45 to Mini-GBIC Module (see below)	59.00
MOD-MGBIC-SX	Planet 1000Base-SX Mini-GBIC Module Multimode Duplex LC: 62.5/125 (220m)/50/125 (550m)	49.00
MOD-MGBIC-LX	Planet 1000Base-LX Mini-GBIC Module Multimode/Single mode Duplex LC: 62.5um (220m)/50um (550m)/9/125 (10km)	79.00

Planet 10/100/1000TX to 1000SX or LX Media Converters (SC, LC Fiber)

The Planet NCPT4-219G, NCPT4-220G and NCPT4-3800 all feature Triple Speed 10/100/1000TX RJ45 ports. On the fiber side the NCPT4-219G, NCPT4-220G provide 1000Base SX, 1000BaseLX SC fiber optic ports respectively, which provide you a straight out of the box solution. The NCPT4-3800 offers instead of a fixed fiber port, a single SFP port. The SFP port can be populated with one of Planets Mini-GBIC modules to allow you to select the one that has function & features required by your application. The SX module gives you two different multimode options and the LX provides a cost effective overall solution by providing both multimode options as well as supporting single mode. Includes a 5 VDC power supply. **As an authorized Planet reseller, we can bid on RFQs for any Planet part numbers. Contact us to request a non-obligatory quote!**

NCPT4-219G	Planet Ethernet Media Converter 10/100/1000TX RJ45 to 1000SX Multimode SC	100m/ 62.5um (220m)/ 50um (550m)	99.00
NCPT4-220G	Planet Ethernet Media Converter 10/100/1000TX RJ45 to 1000LX Single mode SC	100m/10km	139.00
NCPT4-3800	Planet Ethernet Media Converter 10/100/1000TX RJ45 to Mini-GBIC Module (see below)		79.00
MOD-MGBIC-SX	Planet 1000Base-SX Mini-GBIC Module Multimode Duplex LC: 62.5/125 (220m)/50/125 (550m)		49.00
MOD-MGBIC-LX	Planet 1000Base-LX Mini-GBIC Module Multimode/Single mode Duplex LC: 62.5um (220m)/50um (550m)/9/125 (10km)		79.00

Planet 10/100TX to 100FX and 10/100/1000TX to 1000FX Redundant Media Converters

Planet's line of redundant 10/100TX and 10/100/1000TX Ethernet media converters are a perfect solution for maintaining network uptime on critical links. These products are perfect for connecting to critical resources such as servers or WAN/Internet connections. The 100FX Models SFP slots can accommodate the Planet MOD-MGBIC-FX Duplex LC Multimode 100FX and MOD-MGBIC-FX 20 Duplex LC Single mode 100FX modules. The 1000FX model can use the SX module which gives you two different multimode options and the LX module provides a cost effective overall solution by providing both multimode options as well as supporting single mode. Includes a 5 VDC power supply. **As an authorized Planet reseller, we can bid on RFQs for any Planet part numbers. Contact us to request a non-obligatory quote!**

NCPT3-4380	Planet (1) 10/100TX to (2) SFP 100FX Redundant Media Converter	69.00
GT-1205A	Planet (1) 10/100/1000TX to (2) SFP 1000FX Redundant Media Converter	124.98
MOD-MGBIC-FX	Planet 100Base-FX Mini-GBIC Module Multimode Duplex LC: 50/125 and 62.5/125 (2km)	49.00
MOD-MGBIC-FX20	Planet 100Base-FX Mini-GBIC Module Multimode Duplex LC: 9/125(20km)	59.00
MOD-MGBIC-SX	Planet 1000Base-SX Mini-GBIC Module Multimode Duplex LC: 62.5/125 (220m)/50/125 (550m)	49.00
MOD-MGBIC-LX	Planet 1000Base-LX Mini-GBIC Module Multimode/Single mode Duplex LC: 62.5um (220m)/50um (550m)/9/125 (10km)	79.00

Planet 15 Slot Media Converter Chassis

The PTMC1500 media converter chassis allows for connectivity of up to 15 Planet Ethernet/ Fast Ethernet and Gigabit Ethernet copper to fiber converters in one 19" (48.3 cm) rack mount chassis. Dual fans with accompanying LED indicators provide at a glance troubleshooting for system cooling. The chassis features power isolation for each of the 15 converters ensuring each bay is electrically isolated from each other. This power isolation feature ensures uninterrupted connectivity and seamless plug and play module installation. **As an authorized Planet reseller, we can bid on RFQs for any Planet part numbers. Contact us to request a non-obligatory quote!**

PTMC1500	Planet 15 Slot Media Converter Chassis	249.00
PTMC1500R	Planet 15 Slot Media Converter Chassis with Redundant Power Option	296.67
PTMC15-RPS130	Planet 130W 100-240 VAC Redundant Power Supply for PTMC1500R	97.98



Customer Testimonials
Read why others choose L-com.
L-com.com/Testimonials

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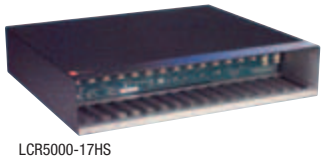

CPSMC0800-100


CPSMC1900-100


CPSMM-200

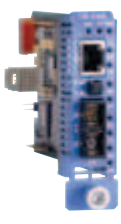

CFMFF1314-220


CFETF1011-110


LCR5000-17HS


LCR1000-AAF


LCR502-M


LCR231-13


LCR643-13


LC2643-14

Item #	Description	Maximum Segment Length	List Price

Transition Networks Point System Chassis Solutions

Transition Networks offers one of the widest selections of media conversion chassis ranging from a dual slot all the way to a 19 slot solution. Additional optional accessories include redundant AC and DC power supplies, SNMP management modules, and fan modules. **As an authorized Transition Networks reseller, we can bid on RFQs for any Transition Networks part numbers. Contact us to request a non-obligatory quote!**

CPSMC0200-226	Transition Networks 2 Slot Point System Chassis	244.98
CPSMC0800-100	Transition Networks 8 Slot Point System Chassis (Internal AC Power Supply)	399.98
CPSMC1300-100	Transition Networks 13 Slot Point System Chassis (Includes 1 Power Supply)	434.98
CPSMC1800-200	Transition Networks 18 Slot Point System Chassis (Includes 1 Power Supply)	694.98
CPSMC1900-100	Transition Networks 19 Slot Point System Chassis (Includes 1 Power Supply)	614.98
CPSMM-120	Transition Networks Single Slot Master Management Module	324.98
CPSMM-200	Transition Networks Dual Slot Master Management Module	429.98
CPSMP-120	Transition Networks Redundant 120/240V AC Power Supply (13 Slot Point System Chassis)	289.98
CPSMP-205	Transition Networks Redundant 120/240V AC Power Supply (18-19 Slot Point System Chassis)	379.98
CPSFM-200	Transition Networks Fan Module (18-19 Slot Point System Chassis)	129.98

Transition Networks Point System Media Converter Modules

Transition Networks offers a wide array of Point System media conversion options. Styles include 10BaseT, 10BaseFL, 10/100TX, 100BaseFX and Gigabit media converters. Each media converter is equipped with system status LEDs for at-a-glance management. By adding a management module to the Point System chassis SNMP management of each module is achieved. **As an authorized Transition Networks reseller, we can bid on RFQs for any Transition Networks part numbers. Contact us to request a non-obligatory quote!**

CETTF1011-105	Transition Networks Point System Media Converter 10Base-T to 10Base-FL ST MM	100m/2km	139.98
CETTF1013-105	Transition Networks Point System Media Converter 10Base-T to 10Base-FL SC MM	100m/2km	144.98
CETTF1012-105	Transition Networks Point System Media Converter 10Base-T to 10Base-FL ST SM	100m/20km	374.98
CFETF1011-110	Transition Networks Point System Media Converter 100Base-TX to 100Base-FX ST MM	100m/2km	244.98
CGETF1013-110	Transition Networks Point System Media Converter 1000Base-TX to 1000Base-SX SC MM	100m/2km	514.98
CGETF1014-110	Transition Networks Point System Media Converter 1000Base-TX to 1000Base-SX SC SM	100m/10km	859.98
CFMFF1313-220	Transition Networks Point System Media Converter 1000Base-SX to 1000Base-SX SC MM	100m/2km	894.98
CFMFF1314-220	Transition Networks Point System Media Converter 1000Base-SX to 1000Base-LX SC SM	100m/10km	997.98

Metrobility/Telco Systems Radiance Series Converter Chassis - 1, 2 and 17 Slot Options

As an authorized Telco Systems reseller, we can bid on RFQs for any Telco Systems part numbers. Contact us to request a non-obligatory quote!

LCR5000-17HS	Telco Systems 17 Slot Radiance 19" (48.3cm) Rack Mountable Chassis	479.00
LCACPS-17HS	Telco Systems AC Power Supply for the LCR5000 Chassis	109.00
LCDCPS-17HS	Telco Systems DC Power Supply for the LCR5000 Chassis	469.00
LCR1000-AAF	Telco Systems 2 Slot Chassis with 2 Front Facing AC Power Supplies	539.00
LCR200-AC	Telco Systems 1 Slot Chassis with Single AC Power Supply	249.00
LCR200-DC	Telco Systems 1 Slot Chassis with Single DC Power Supply	259.00

Metrobility/Telco Systems Radiance SNMP Management Module

As an authorized Telco Systems reseller, we can bid on RFQs for any Telco Systems part numbers. Contact us to request a non-obligatory quote!

LCR502-M	Telco Systems SNMP Management Module for Radiance R5000 Chassis	489.00

Metrobility/Telco Systems 100 Mbps Fast Ethernet "Twister" Modules for Radiance Series Chassis

As an authorized Telco Systems reseller, we can bid on RFQs for any Telco Systems part numbers. Contact us to request a non-obligatory quote!

LCR231-13	Telco Systems 100Base-TX, RJ45 to 100Base-FX, Multimode SC	100m/2km	489.00
LCR231-15	Telco Systems 100Base-TX, RJ45 to 100Base-FX, Multimode ST	100m/2km	449.00
LCR231-16	Telco Systems 100Base-TX, RJ45 to 100Base-FX, Single mode ST	100m/15km	689.00
LCR231-17	Telco Systems 100Base-TX, RJ45 to 100Base-FX, Single mode SC	100m/40km	829.00
LCR231-1J	Telco Systems 100Base-TX, RJ45 to 100Base-FX, Single mode SC	100m/100km	2199.00

Metrobility/Telco Systems 10/100 Mbps Ethernet Intelligent AutoTwister Modules for Radiance Series Chassis

As an authorized Telco Systems reseller, we can bid on RFQs for any Telco Systems part numbers. Contact us to request a non-obligatory quote!

LCR643-13	Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Multimode SC	100m/2km	209.00
LCR643-15	Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Multimode ST	100m/2km	259.00
LCR643-1K	Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Multimode LC	100m/2km	309.00
LCR643-14	Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Single mode SC	100m/15km	365.00
LCR643-17	Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Single mode SC	100m/40km	399.00
LCR643-1J	Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Single mode SC	100m/100km	1379.00
LCR643-1M	Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Single mode LC	100m/15km	419.00

Metrobility/Telco Systems Gigabit Ethernet (1Gbps) Twister Stand-alone Media Converter

As an authorized Telco Systems reseller, we can bid on RFQs for any Telco Systems part numbers. Contact us to request a non-obligatory quote!

LC2152-AD	Telco Systems 1000Base-SX, Multimode SC to 1000Base-LX, Single mode SC	220m/10km	1319.00

Metrobility/Telco Systems 10/100 Mbps Fast Ethernet Twister Stand-alone Media Converters

As an authorized Telco Systems reseller, we can bid on RFQs for any Telco Systems part numbers. Contact us to request a non-obligatory quote!

LC2643-13	Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Multimode SC	100m/2km	249.00
LC2643-15	Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Multimode ST	100m/2km	279.00
LC2643-1K	Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Multimode LC	100m/2km	309.00
LC2643-14	Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Single mode SC	100m/15km	379.00
LC2643-17	Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Single mode SC	100m/40km	419.00
LC2643-1J	Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Single mode SC	100m/100km	1419.00
LC2643-1M	Telco Systems 10/100Base-TX, RJ45 to 100Base-FX, Single mode LC	100m/15km	419.00

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A complete list of media converters
can be found at L-com.com/MediaConverters

Item #	Description	List Price

L-com 10/100TX to 100FX Industrial Fast Ethernet Media Converters (24 VDC)

L-com offers a series of plug and play Industrial Ethernet Media Converters which feature dual 10/100TX RJ45 ports as well as one duplex SC fiber port. The LCMC series consist of Multimode and Single mode versions with optics supporting up to 80 kilometers over Single mode for long haul industrial media converter applications. Each unit is powered by an external 24V DC power supply (sold separately) and is 35mm DIN rail mountable. Easy to read LEDs provide at-a-glance systems status information. Operating temperature -40°C to +70°C (-40°F to 158°F).

LCMC-M-2	L-com Industrial Ethernet Media Converter (2) 10/100TX to100FX Multimode Duplex SC 2km	158.00
LCMC-S-20	L-com Industrial Ethernet Media Converter (2) 10/100TX to100FX Single mode Duplex SC 20km	228.00
LCMC-S-40	L-com Industrial Ethernet Media Converter (2) 10/100TX to100FX Single mode Duplex SC 40km	308.00
LCMC-S-60	L-com Industrial Ethernet Media Converter (2) 10/100TX to100FX Single mode Duplex SC 60km	568.00
LCMC-S-80	L-com Industrial Ethernet Media Converter (2) 10/100TX to100FX Single mode Duplex SC 80km	898.00

24 Volt DC DIN Rail Mount Power Supplies

The LCPS series of power supplies provide a cost effective and reliable 24V DC power source for L-com's line of industrial Ethernet switches and media converters. These units can be installed on any standard 35mm DIN Rail and are NEC Class 2/ LPS compliant. They also provide protection against short circuits, overloads and over voltages.

LCPS-4024	DIN Rail Mount Power Supply 24V DC 40W (1.6A)	78.98
LCPS-6024	DIN Rail Mount Power Supply 24V DC 60W (2.5A)	89.98

EtherWAN 10/100TX to 100FX Industrial Fast Ethernet Media Converters (-10°C to +60°C) (12 to 48 VDC)

EtherWan's EX42011 series of Industrial Media Converters are able to function at temperatures ranging from -10°C to 60°C (14°F to 140°F) and can be conveniently mounted to any standard 35mm DIN Rail. The single 10/100Base-TX port supports Auto-Negotiation, Auto-MDI/MDIX. The duplex fiber port is available in both Multimode and Single mode versions. Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment. The variable power terminal block input can support voltages ranging from 12 to 48 VDC. **As an authorized EtherWan reseller, we can bid on RFQs for any EtherWan part numbers. Contact us to request a non-obligatory quote!**

EW-EX42011-1A-1-A	EtherWan Industrial Media Converter 10/100 TX to 100FX, Multimode Duplex SC 2km	156.98
EW-EX42011-2A-1-A	EtherWan Industrial Media Converter 10/100 TX to 100FX, Single mode Duplex SC 20km	264.98

EtherWAN 10/100TX to 100FX Industrial Fast Ethernet Media Converters (-10°C to +60°C) with PoE/PSE

EtherWan's EL1032 series of Industrial Media Converters are able to function at temperatures ranging from -10°C to 60°C (14°F to 140°F) and can be conveniently mounted to any standard 35mm DIN Rail. The single 10/100Base-TX port supports Auto-Negotiation, Auto-MDI/MDIX. The duplex fiber port is available in both Multimode and Single mode versions. Easy power source management from dual power interfaces. The EL1032 supports 48 VDC. The EL1032P support voltages ranging from 48 to 52 VDC up to 15.4 Watts or 52 to 57 VDC up to 30 Watts. The EL1032 series also supports the IEEE802.3af PoE/PSE standard and is available in standard 15.4W versions as well as a 30W High Power version. **As an authorized EtherWan reseller, we can bid on RFQs for any EtherWan part numbers. Contact us to request a non-obligatory quote!**

EW-EL1032-10B	EtherWan Industrial Media Converter 10/100 TX to 100FX, Multimode Duplex SC (15.4W 802.3af PoE/PSE) 2km	438.98
EW-EL1032P-20B	EtherWan Industrial Media Converter 10/100 TX to 100FX, Multimode Duplex ST (30W High Power PoE/PSE) 2km	495.00
EW-EL1032-A0B	EtherWan Industrial Media Converter 10/100 TX to 100FX, Single mode Duplex SC (15.4W 802.3af PoE/PSE) 20km	574.98

EtherWAN 10/100TX to 100FX NEMA Hardened Fast Ethernet Media Converters (-40°C to +75°C) (12 to 48 VDC)

EtherWan's EL900 Series of NEMA Hardened Media Converters function at temperatures ranging from -40°C to 75°C (-40°F to 167°F) and are tested for functional operation up to 85ºC (185ºF). Whether on the factory floor or the street corner, the EL900 will provide flawless communications when you need it most. The RJ45 ports on these units provide Auto-MDIX and auto-negotiation. The link-fault-pass-through feature allows the network management agent on adjacent equipment to react to a broken link. Flexibility is the main feature of the EL900, it may be DIN rail or Panel mounted and comes with power options to match the applications that require a tough, environmentally hardened product. Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment. Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment, ISA 12.12.01 (UL1604) Class I, Division 2 Classified for use in hazardous locations (Applicable to versions with DC Terminal Block power option). The variable power terminal block input can support voltages ranging from 12 to 48 VDC. **As an authorized EtherWan reseller, we can bid on RFQs for any EtherWan part numbers. Contact us to request a non-obligatory quote!**

EW-EL900-A-B-1-A	EtherWan Media Converter 10/100 TX to 100FX, MM, 2km, SC	224.98
EW-EL900-A-N-1-A	EtherWan Media Converter 10/100 TX to 100FX, SM, 20km, SC	334.98

EtherWAN 1000TX to 1000SX/LX NEMA Hardened Gigabit Ethernet Media Converters (-40°C to +75°C)

EtherWan's EL9000 Series of NEMA Hardened Media Converters function at temperatures ranging from -40°C to 75°C (-40°F to 167°F) and are tested for functional operation up to 85ºC (185ºF). Whether on the factory floor or the street corner, the EL9000 will provide flawless communications when you need it most. The RJ45 ports on these units provide Auto-MDIX and auto-negotiation. The link-fault-pass-through feature allows the network management agent on adjacent equipment to react to a broken link. Flexibility is the main feature of the EL9000, it may be DIN rail, Panel or Rack mounted and comes with power options to match the applications that require a tough, environmentally hardened product. Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment. Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment, ISA 12.12.01 (UL1604) Class I, Division 2 Classified for use in hazardous locations (Applicable to versions with DC Terminal Block power option). The variable power terminal block input can support voltages ranging from 12 to 48 VDC. **As an authorized EtherWan reseller, we can bid on RFQs for any EtherWan part numbers. Contact us to request a non-obligatory quote!**

EW-EL9000-A-B-1-A	EtherWan Gigabit Media Converter 1000Base T to 1000Base SX, MM, 550km, SC	314.98
EW-EL9000-A-C-1-A	EtherWan Gigabit Media Converter 1000Base T to 1000Base SX, MM, 2km, SC	420.00
EW-EL9000-A-N-1-A	EtherWan Gigabit Media Converter 1000Base T to 1000Base LX, SM, 20km, SC	509.98

Hirschmann PROFIBUS, MODBUS and GENIUSBUS Fiber to Copper DIN Rail Media Converters (24 VDC)

Hirschmann's PROFIBUS, MODBUS and GENIUSBUS media converters are perfect for transmitting data over several miles/kilometers. They connect terminal devices such as computers, image-processing devices, programmable logic controllers (PLCs) and peripheral devices together. With their high availability and redundancy, they are able to hold their own in the harsh world of industrial applications. Fiber optic cables can be laid directly on high-power equipment or parallel to power cables, reducing planning and commissioning costs. Each converter in this series can be mounted on a DIN rail and is powered by an external 24 VDC power supply (see page 240). **As an authorized Hirschmann reseller, we can bid on RFQs for any Hirschmann part numbers. Contact us to request a non-obligatory quote!**

PROFI-TX-FX	Hirschmann PROFIBUS Media Converter DB9F to BFOC Multimode	623.00
PROFI-TX-2FX	Hirschmann PROFIBUS Media Converter DB9F to 2 BFOC Multimode	833.00
PROFI-TX-FX-SM	Hirschmann PROFIBUS Media Converter DB9F to BFOC Single mode	1763.00
PROFI-TX-2FX-SM	Hirschmann PROFIBUS Media Converter DB9F to 2 BFOC Single mode	2340.00
MODBUS-TX-2FX	Hirschmann MODBUS Media Converter DB9F to 2 BFOC Multimode	870.00
MODBUS-TX-2FXSM	Hirschmann MODBUS Media Converter DB9F to 2 BFOC Single mode	1830.00
GENIUS-TX-2FX	Hirschmann GENIUSBUS Media Converter 4-Pin Terminal to 2 BFOC Multimode	1139.00
GENIUS-TX-2FXSM	Hirschmann GENIUSBUS Media Converter 4-Pin Terminal to 2 BFOC Single mode	1800.00



Need help configuring a media converter chassis?
See the free tip and more at L-com.com/Chassis

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Ethernet Switches Tutorial

What is an Ethernet Switch?

An Ethernet switch is a multi-port network bridge used to connect multiple PCs, servers, laptops or other Ethernet IP enabled devices such as Networked Printers, NAS (Network Attached Storage), or IP cameras to a Local Area Network (LAN). Most switches feature 10/100 Megabit per second RJ45 ports although many newer switch designs now offer 10/100/1000 triple speed ports that auto-negotiate up to 1 Gigabit per second access. The switch uses a MAC address table to keep track of where PCs, servers or other connected devices are located. Each device has a unique MAC (Media Access Control) address "burned" into the hardware. For example; if a PC on port one needs to "talk" to a file server, the switch will look at its MAC address table and determine which port the file server is located on and send the PCs data to only that port. This very effectively relieves network congestion and is able to scale as your network grows.

How is an Ethernet Switch used?

Ethernet switches typically utilize RJ45 ports for UTP or STP connectivity to PCs, servers, routers etc. Many switches also feature high speed uplink ports where modules can be purchased to connect fiber optic or UTP cabling supporting speeds of 1 Gigabit per second or more. Cables are used to plug into the ports on the switch and then into the Ethernet device (PC, router etc.) on the other end.

Managed and Unmanaged

Unmanaged Ethernet switches, typically referred to as "plug and play", are easy to install but do not provide port level statics, management and control that is often required in larger networks where many switches are installed. Managed switches typically feature an SNMP agent that allows port level control and statistics such as collisions, packets in, packet out etc. Some managed switches also feature filters where only certain devices, PCs etc. are allowed to communicate on a certain port of the switch. By using managed switches a network administrator can see if a port may be malfunctioning and sending bad packets onto the network and shut that port off so the whole network does not go down.

Accessing Scheme:	CSMA/CD - Carrier sense multiple access with Collision Detection.
Speed:	10 Mbps/100 Mbps/1000 Mbps (1 Gbps).
Network Architecture:	Bus, Star, Ring, Hybrid

The diagram below shows a typical Ethernet Switch application



In the diagram above you can see that Ethernet switches are used for sharing resources such as printers, networked file servers and router connections to the Internet or Wide Area Network (WAN).

Commercial Ethernet Switches

Commercial grade Ethernet switches are designed to be used in controlled environments such as an IT closet or data center. Unlike Industrial Ethernet switches, commercial grade Ethernet switches typically have more of a limited operating temperature range and often times have more moving parts such as cooling fans which could be a single point of failure (SPOF). Additionally, commercial grade switches will not stand up to shock and vibration as an Industrial Ethernet switch would. Another concern is mean time between failure (MTBF). Some commercial grade switches may have a lower MTBF than their industrial counterparts. Commercial grade switches typically cost less than industrial switches and are the perfect choice for controlled office/business environments.

Industrial Ethernet Switches

There is a class of Ethernet Switches referred to as Industrial Ethernet switches which are designed to work in harsh environments where extreme temperatures, vibration, dust and moisture are present. These Industrial rated switches generally have no moving parts such as fans and utilize components that are designed for extreme temperatures etc. In very moist environments or areas where condensation is present a conformal coating is sometimes used to cover the entire PCB to protect the components. Typical installations for Industrial Ethernet switches include manufacturing facilities, mining, oil production, power plants, waste water treatment plants and any other application where environmental extremes exist.



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For more useful information go to....
L-com.com/Resources

Item #	Description	List Price

Planet 10/100TX 5 and 8 Port Desktop Ethernet Switches

The SW series Ethernet switches from Planet Technology provide cost-conscious businesses and home users with the foundation of an integrated system for small-office/home-office networking. These economical 10/100 switches are perfect for smaller networks of 10 to 50 users. These easy to install plug and play switches feature easy to read LEDs for monitoring network connectivity and packet flow. **As an authorized Planet reseller, we can bid on RFQs for any Planet part numbers. Contact us to request a non-obligatory quote!**

SW-504	Planet 5 Port 10/100 Mbps Desktop Ethernet Switch (Plastic Case)	16.00
SW-804	Planet 8 Port 10/100 Mbps Desktop Ethernet Switch (Plastic Case)	25.95

Planet 10/100/1000TX 5 and 8 Port Desktop Ethernet Switch

The Planet five and eight port Gigabit Ethernet switches deliver cost effective, versatile high speed IP data connectivity to the desktop or data closet. These switches feature a compact footprint as well as a non-blocking switching architecture that guarantees wire-speed packet transfer. The RJ45 copper interfaces support 10/100/1000 Mbps auto-negotiation for optimal speed detection through RJ45 Category 6, 5 or 5e cables. MDI/MDIX auto detection is provided for direct wire connection to any Ethernet device without requiring crossover cables. The switches also feature 802.3x, full duplex flow control. **As an authorized Planet reseller, we can bid on RFQs for any Planet part numbers. Contact us to request a non-obligatory quote!**

SWTC-PTG503	Planet 5 Port 10/100/1000 Mbps Gigabit Ethernet Switch	44.98
SWTC-PTG803	Planet 8 Port 10/100/1000 Mbps Gigabit Ethernet Switch	78.98

Planet 10/100TX 8 Port Fast Ethernet Switches + 1 Port 100FX

The Planet FSD-805 series 10/100Mbps Ethernet switches provide an economical way to connect eight 10/100 RJ45 copper ports to a fiber backbone or network via a built in fiber port. Features include automatic speed and duplex mode sensing and MDI/MDI-X auto-detection. Covered by a 3 year manufacturer's warranty. **As an authorized Planet reseller, we can bid on RFQs for any Planet part numbers. Contact us to request a non-obligatory quote!**

FSD-805ST	Planet 8 Port 10/100 Mbps - 1 Port 100FX MM ST Ethernet Switch	77.98
FSD-805SC	Planet 8 Port 10/100 Mbps - 1 Port 100FX MM SC Ethernet Switch	89.95
FSD-805S15	Planet 8 Port 10/100 Mbps - 1 Port 100FX SM SC Ethernet Switch	129.00

Planet 10/100TX 16, 24 & 48 Port 19 Inch Rack Mount Fast Ethernet Switches

The Planet 16, 24 & 48 port 10/100Base-TX Fast Ethernet Switches provide an economical and high performance Higher Port Density 19 inch Rack mountable Ethernet switching solution. These switches provide high-speed network connections. With standard 10/100 Auto-Negotiation capability on all of the RJ45/STP ports. In addition, these switches are equipped with the MDI/MDIX auto-detection for easy plug and play connections, regardless of cabling types. Both straight through and crossover cables are supported. With high-performance throughput at filtering/forwarding rate is up to 14,880 packets per second in 10 Mbps, and 148,800pps in 100 Mbps. Along with its dynamic shared memory buffer. **As an authorized Planet reseller, we can bid on RFQs for any Planet part numbers. Contact us to request a non-obligatory quote!**

SWTC-PT1601	Planet 16 Port 10/100 Mbps Fast Ethernet Switch	59.00
SWTC-PT2401	Planet 24 Port 10/100 Mbps Fast Ethernet Switch	79.00
SWTC-PT4800	Planet 48 Port 10/100 Mbps Fast Ethernet Switch	225.00

Planet 10/100TX 24 Port Fast Ethernet Switches + 2 Port 10/100/1000TX

The Planet SWTC-PT2620 26 port Fast Ethernet and Gigabit Ethernet switch provides 24 Fast Ethernet Switch ports and two Gigabit Ethernet 10/100/1000 switch ports. Each Fast Ethernet port supports 10/100 Mbps and the two Gigabit Ethernet ports support 10/100/1000 Mbps as well as Half/Full Duplex mode. With its 8.8 Gbps non-blocking switch fabric, 8K MAC Address table, and 802.3x full-duplex flow control support, the SWTC-PT2620 offers wire-speed packet transfer performance without the risk of packet loss. MDI/MDIX auto detection is provided for direct wire connection to any Ethernet device including switches, hubs, or workstations without requiring a crossover cable. By viewing the front panel LED indicators, users can easily monitor network connection status. **As an authorized Planet reseller, we can bid on RFQs for any Planet part numbers. Contact us to request a non-obligatory quote!**

SWTC-PT2620	Planet 24 Port 10/100 Mbps Fast Ethernet Switch + 2 Port 10/100/1000TX Gigabit Ports	139.00

NETGEAR® 10/100TX 5 and 8 Port Desktop Ethernet Switches (Plastic Case)

NETGEAR's 5-port Fast Ethernet Switch offers a simple solution for instantly expanding your network. This auto-switching Ethernet connection makes it easy to link up to 5 PC or Ethernet devices to your network. It supports both Windows and Macintosh platforms at speeds of 10 or 100 Mbps over Ethernet cables and works with virtually every operating system. **As an authorized NETGEAR reseller, we can bid on RFQs for any NETGEAR part numbers. Contact us to request a non-obligatory quote!**

SWTC-FS605NA	NETGEAR 5 Port 10/100Mbps Fast Ethernet Switch	29.00
SWTC-FS608NA	NETGEAR 8 Port 10/100Mbps Fast Ethernet Switch	49.00

NETGEAR® 10/100TX 5, 8 and 16 Port Desktop Ethernet Switches (Metal Case)

NETGEAR's 10/100Mbps Fast Ethernet Switches provide your LAN with economical, high-speed, 10/100 Mbps auto-sensing connectivity. Just plug in your Ethernet cables and connect a power cord and you network is up and running. These switches are engineered without the need for an internal fan, thus providing silent operation. The switches feature a very compact footprint and a sturdy metal case for years of dependable use. **As an authorized NETGEAR reseller, we can bid on RFQs for any NETGEAR part numbers. Contact us to request a non-obligatory quote!**

SWTC-FS105NA	NETGEAR 10/100Mbps 5 Port RJ45 Switch	32.00
SWTC-FS108NA	NETGEAR 10/100Mbps 8 Port RJ45 Switch	52.00
SWTC-FS108P	NETGEAR 10/100Mbps 8 Port with 4 POE Ports Switch	159.00
SWTC-FS116NA	NETGEAR 10/100Mbps 16 Port RJ45 Switch	85.00

NETGEAR® 10/100/1000TX 5 and 8 Port Desktop Ethernet Switches

NETGEAR's Gigabit Switches offer users high-speed network connections in a compact cost effective switch. The GS series switches feature auto-negotiation between 10, 100, and 1000MB connections allowing users to migrate to higher speeds over time. With Auto uplink and full duplex operation, these NETGEAR Gigabit switches make connections simple and fast. Includes an external power supply. **As an authorized NETGEAR reseller, we can bid on RFQs for any NETGEAR part numbers. Contact us to request a non-obligatory quote!**

SWTC-GS105NA	NETGEAR 10/100/1000Mbps 5 Port RJ45 Switch	79.00
SWTC-GS108NA	NETGEAR 10/100/1000Mbps 8 Port RJ45 Switch	119.00

NETGEAR® 10/100/1000TX 24-Port plus 2 SFP Gigabit Ethernet Switch

This NETGEAR 24-port Gigabit Ethernet switch is high on value and capability. With 24 10/100/1000 Mbps ports, each capable of powering 2,000 Mbps of data throughput in full-duplex mode, plus two optional fiber ports, the SWTC-GS724T provides a fast backbone and connects servers or power users, delivering large amounts of multimedia, image, and video information in no time at all. In addition, an intuitive, web-browser interface offers SimpleSmart Switch management, making it a snap to monitor switch performance, configure ports, even set up port trunks, VLANs, and traffic prioritization. Alternatively, use SNMP-based software to manage your Smart Switch. **As an authorized NETGEAR reseller, we can bid on RFQs for any NETGEAR part numbers. Contact us to request a non-obligatory quote!**

SWTC-GS724T	NETGEAR 10/100/1000TX 24 Port Gigabit Ethernet Switch + 2 Optional SFP Fiber Ports	349.00



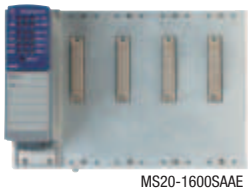
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RS20800T1T1SDAE


RS21600T1T1SDAE


RS20800M2M2SDAE


M-SFP-LX/LC


MS20-1600SAAE

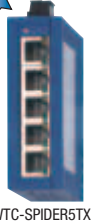

RS2-TX


EAGLE-1TX-1TX


RS2-5TX


RS2-5TX/FX

Best Seller


SWTC-SPIDER5TX


RH1-TP


RPS30


RPS120-EEC

Item #	Description	List Price

Hirschmann OpenRail RS20/RS30 Managed 24V DC Industrial Ethernet Switches

Hirschmann's OpenRail line of managed industrial Ethernet switches are available with a choice of "enhanced" or "professional" firmware. Users can decide which functionality their application requires and select the appropriate firmware option without having to pay for features they do not need. Features like IGMP Snooping and HIPER Ring are available in all OpenRail switches. These robust switches also feature a USB port for backing up and restoring the configuration using an Auto-Configuration Adapter or USB drive. **As an authorized Hirschmann reseller, we can bid on RFQs for any Hirschmann part numbers. Contact us to request a non-obligatory quote!**

RS20800T1T1SDAE	Hirschmann OpenRail Switch 8 10/100TX	1125.00
RS21600T1T1SDAE	Hirschmann OpenRail Switch 16 10/100TX	1890.00
RS20800M2M2SDAE	Hirschmann OpenRail Switch 6 10/100TX 2 Multimode SC	1560.00
RS20800S2S2SDAE	Hirschmann OpenRail Switch 6 10/100TX 2 Single mode SC	1798.98
RS32402T1T1SDAE	Hirschmann OpenRail Switch 24 10/100TX 2 10/100/1000TX	3345.00
M-SFP-SX/LC	Hirschmann SFP 1000BASE-SX LC 550m	188.00
M-SFP-LX/LC	Hirschmann SFP 1000BASE-LX LC 20km	338.00
M-SFP-LH/LC	Hirschmann SFP 1000BASE-LX LC 70km	1875.00
M-SFP-LH+/LC	Hirschmann SFP 1000BASE-LX LC 120km	3300.00

Hirschmann (MICE) Managed Modular 8 Port Ethernet/Fast Ethernet Rail Switch

Hirschmann Modular Industrial Communication Equipment (MICE) Ethernet/Fast Ethernet switches offer a unique combination of network management tools, redundancy features for high availability and modular media plug-ins for versatility. The compact switches are DIN Rail mountable, with redundant 24-volt power supplies and are compatible with 10BASE-T, 10BASE-FL, 100BASE-TX and 100BASE-FX. The switches will accommodate twisted pair, single mode or multimode fiber optic connections. MICE switches are made up of an integrated backplane and a modular dock that accepts the various media modules. The switches support SNMP management, web-based management, port mirroring, port security, remote monitoring (RMON), bootstrap protocol (BootP), Dynamic Host Configuration Protocol (DHCP) and Hirschmann's unique HIPER Ring. Hirschmann's HIPER Ring provides high availability through self-healing ring redundancy. The switches' rugged construction meets all standards for industrial Ethernet, making them suitable for applications where EMI interference, shock, vibration and temperature might otherwise cause concern. **As an authorized Hirschmann reseller, we can bid on RFQs for any Hirschmann part numbers. Contact us to request a non-obligatory quote!**

MS20-0800SAAE	Hirschmann MICE Backplane 2 Slots	1050.00
MS20-1600SAAE	Hirschmann MICE Backplane 4 Slots	1875.00
MS30-1602SAAE	Hirschmann MICE Backplane 4 10/100 Slots 1 Gig Slot	2325.00
MB-2T	Hirschmann 2 Slot Expansion Backplane for MS3124-4	194.00
MM2-4TX1	Hirschmann 4 10/100 Mbps RJ45 Ports	315.00
MM2-4FXM3	Hirschmann 4 100 Mbps Multimode MT-RJ Ports	1170.00
MM2-2FXM2	Hirschmann 2 100 Mbps Multimode SC Ports	630.00
MM2-2FXS2	Hirschmann 2 100 Mbps Single mode SC Ports	1290.00
MM2-2FXM3/2TX1	Hirschmann 2 10/100 Mbps RJ45s plus 2 100 Mbps Multimode MT-RJ Ports	743.00

Hirschmann 100 Mbps 24 VDC 8 Port DIN Rail Auto-negotiating Switch (8 Shielded RJ45 Ports)

The RS2-TX Rail switch provides a fast, easy and cost-effective solution for configuring small Fast Ethernet networks. Features eight auto-negotiating twisted pair ports with shielded RJ45 connectors. The 24V operating voltage is supplied via a plug-in terminal block which can be configured for redundancy. Integrated LEDs display device and network status for fast on-site troubleshooting. **As an authorized Hirschmann reseller, we can bid on RFQs for any Hirschmann part numbers. Contact us to request a non-obligatory quote!**

RS2-TX	Hirschmann DIN Rail 10/100Base-TX Switch	485.00

Hirschmann Eagle Series Industrial Firewall System

The Hirschmann Eagle series security firewalls provide secure access to and from your Ethernet network. These IP Routers feature one trusted port and one untrusted port to control user access to critical network services such as servers and PCs. Security features include NAT, PPoE, PPTP, APR limiter MAC filtering and Kaspersky anti virus engine. These routers are powered by an external 24V DC power supply (sold separately) and are IP20 rated for harsh environments. **As an authorized Hirschmann reseller, we can bid on RFQs for any Hirschmann part numbers. Contact us to request a non-obligatory quote!**

EAGLE-1TX-1TX	Hirschmann Eagle Firewall System 1 RJ45 Trusted, 1 RJ45 Untrusted	1595.00
EAGLE-1TX-1FX	Hirschmann Eagle Firewall System 1 SC MM Trusted, 1 RJ45 Untrusted	1795.00

Hirschmann 10/100TX Industrial Compact Fast Ethernet Rail Switches

Hirschmann Industrial Compact Switches provide the industrial customer with a cost effective way to add Ethernet connectivity on the factory floor. The Hirschmann Industrial line features rugged metal enclosures and DIN Rail mounting. The switches also feature redundant 24 VDC inputs and an open relay contact to facilitate connection to PLCs, allowing reaction to malfunction or process control alarms. The FX switches feature the extended range of fiber optic cabling via an integrated multimode fiber optic port. The fiber port can be used to create a fiber optic backbone to a central control room. **As an authorized Hirschmann reseller, we can bid on RFQs for any Hirschmann part numbers. Contact us to request a non-obligatory quote!**

RS2-5TX	Hirschmann Industrial Switch 10/100 Mbps 5-Port RJ45	392.00
RS2-5TX/FX	Hirschmann Industrial Switch 10/100 Mbps 4 RJ45s + 1 Multimode MT-RJ	513.00

Hirschmann Unmanaged SPIDER 10/100TX Fast Ethernet Rail Switches

The Hirschmann SPIDER unmanaged Industrial Ethernet Rail Switches are the perfect small form factor solution for your Industrial Ethernet connectivity needs. Each switch features store and forward operation which stops corrupt packets from entering your network and five RJ45 10/100Base-TX Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s) Ports, which support auto-crossing, auto-negotiation, and auto-polarity. The SPIDER family utilizes a 24V DC Power source (sold separately) and is DIN rail mountable. **As an authorized Hirschmann reseller, we can bid on RFQs for any Hirschmann part numbers. Contact us to request a non-obligatory quote!**

SWTC-SPIDER3TX	Hirschmann Unmanaged SPIDER 3 Port 10/100 Ethernet Rail Switch	143.00
SWTC-SPDR4TX1FX	Hirschmann Unmanaged SPIDER 4 Port 10/100 1 Port 100FX Ethernet Rail Switch	210.00
SWTC-SPIDER5TX	Hirschmann Unmanaged SPIDER 5 Port 10/100 Ethernet Rail Switch	150.00

Hirschmann 10 Mbps 24 VDC 4 Port DIN Rail Hub (4 Shielded RJ45 Ports)

The Rail Hub RH1-TP is the perfect choice and cost-effective expansion of industrial networks. This unit has four twisted pair ports and can be easily fixed on a standard DIN Rail without any further configuration. The 24 VDC operating voltage is supplied through the terminal block and can also be configured for redundancy. Built-in LEDs indicate collisions, link status, power failure and data receipt for on-site diagnostics. **As an authorized Hirschmann reseller, we can bid on RFQs for any Hirschmann part numbers. Contact us to request a non-obligatory quote!**

RH1-TP	Hirschmann 4 Port DIN Rail Hub (4 10Base-T Ports)	353.00

Hirschmann 24 VDC DIN Rail Power Supply

As an authorized Hirschmann reseller, we can bid on RFQs for any Hirschmann part numbers. Contact us to request a non-obligatory quote!

RPS30	Hirschmann 24 VDC DIN Rail Power Supply, 1.3A	135.00
RPS80-EEC	Hirschmann 24 VDC DIN Rail Power Supply, 3.4A	218.00
RPS120-EEC	Hirschmann 24 VDC DIN Rail Power Supply, 5A	345.00

L-com Global Connectivity

Same day shipping
Orders placed before 4:00 EST ship the same day.

Item #	Description	List Price

L-com 10/100TX IES-Series 5, 8 and 16 Port Industrial Fast Ethernet Switches

L-com's IES-Series Industrial Ethernet Switch line offers ease of deployment, cost savings and robust switching. These rugged Industrial Ethernet switches feature auto-negotiating 10/100 RJ45 ports as well as easy to read system status LEDs. These switches are powered by an external 24V DC power supply (sold separately) and feature standard 35mm DIN rail mounting brackets. The IES-Series switches are unmanaged and can be installed in minutes providing industrial network connectivity for myriad applications including industrial automation, factory automation, process control networking and energy network connectivity.

IES-2205	L-com IES-Series 5 Port 10/100TX Industrial Ethernet Switch	118.00
IES-2208	L-com IES-Series 8 Port 10/100TX Industrial Ethernet Switch	178.00
IES-2216	L-com IES-Series 16 Port 10/100TX Industrial Ethernet Switch	428.00

L-com 10/100TX +2 Port 100FX IES-2206 Series Industrial Fast Ethernet Switches

The IES-2206 Series Industrial Ethernet Switches feature four 10/100TX RJ45 ports and two fiber SC ports supporting Ethernet IP communications at 100Mbps. These easy to install DIN rail mountable Industrial Ethernet switches are perfect for applications where IP enabled devices require networked communications. The rugged switches can be mounted to standard 35mm DIN rail and are powered by a 24V DC power supply (sold separately). Easy to read LEDs provide at-a-glance system monitoring.

IES-2206-M2	L-com IES-2206 4 Port 10/100TX, 2 Port 100FX SC MM 2km	218.00
IES-2206-S20	L-com IES-2206 4 Port 10/100TX, 2 Port 100FX SC SM 20km	248.00
IES-2206-S40	L-com IES-2206 4 Port 10/100TX, 2 Port 100FX SC SM 40km	288.00
IES-2206-S60	L-com IES-2206 4 Port 10/100TX, 2 Port 100FX SC SM 60km	548.00
IES-2206-S80	L-com IES-2206 4 Port 10/100TX, 2 Port 100FX SC SM 80km	928.00

L-com 10/100TX +2 Port 100FX IES-2210 Series Industrial Fast Ethernet Switches

L-com's IES-2210 Series Industrial Ethernet Switches feature eight 10/100TX RJ45 ports and two fiber SC ports supporting Ethernet IP communications at 100Mbps. These easy to install DIN rail mountable Industrial Ethernet switches are perfect for applications where IP enabled devices require networked communications. The rugged switches can be mounted to standard 35mm DIN rail and are powered by a 24V DC power supply (sold separately). Easy to read LEDs provide at-a-glance system monitoring. The IES-Series switches are unmanaged and can be installed in minutes providing industrial network connectivity for myriad applications including industrial automation, factory automation, process control networking and energy network connectivity.

IES-2210-M2	L-com IES-2210 8 Port 10/100TX, 2 Port 100FX SC MM 2km	368.00
IES-2210-S20	L-com IES-2210 8 Port 10/100TX, 2 Port 100FX SC SM 20km	418.00
IES-2210-S40	L-com IES-2210 8 Port 10/100TX, 2 Port 100FX SC SM 40km	458.00
IES-2210-S60	L-com IES-2210 8 Port 10/100TX, 2 Port 100FX SC SM 60km	698.00
IES-2210-S80	L-com IES-2210 8 Port 10/100TX, 2 Port 100FX SC SM 80km	1078.00

L-com 10/100TX +4 Port 100FX IES-2220 Series Industrial Fast Ethernet Switches

IES-2220 Series Industrial Ethernet Switches are perfect for applications where IP enabled devices require networked communications. The rugged switches can be mounted to standard 35mm DIN rail and are powered by a 24V DC power supply (sold separately). Easy to read LEDs provide at-a glance system monitoring. These IES-Series switches are unmanaged and can be installed in minutes providing industrial network connectivity for myriad applications including industrial automation, factory automation, process control networking and energy network connectivity.

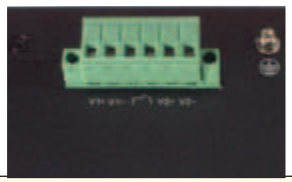
IES-2220-M2	L-com IES-2220 16 Port 10/100TX, 4 Port 100FX SC MM 2km	738.00
IES-2220-S20	L-com IES-2220 16 Port 10/100TX, 4 Port 100FX SC SM 20km	758.00
IES-2220-S40	L-com IES-2220 16 Port 10/100TX, 4 Port 100FX SC SM 40km	828.00
IES-2220-S60	L-com IES-2220 16 Port 10/100TX, 4 Port 100FX SC SM 60km	1088.00
IES-2220-S80	L-com IES-2220 16 Port 10/100TX, 4 Port 100FX SC SM 80km	1349.00

24 Volt DC DIN Rail Mount Power Supplies

The LCPS series of power supplies provide a cost effective and reliable 24V DC power source for L-com's line of industrial Ethernet switches and media converters. These units can be installed on any standard 35mm DIN Rail and are NEC Class 2/ LPS compliant. They also provide protection against short circuits, overloads and over voltages.

LCPS-4024	DIN Rail Mount Power Supply 24V DC 40W (1.6A)	78.98
LCPS-6024	DIN Rail Mount Power Supply 24V DC 60W (2.5A)	89.98

IES Series Industrial Ethernet Switches

DIN Rail Mounting	Dual Power Input Plus Relay	Ribbed Aluminum Heat Sink Case
		

- 10Base-T/100Base-TX Full/Half Duplex support
- MDI-MDI-X support
- Broadcast Storm protection
- Redundant power inputs
- Fan-less design
- DIN Rail mounting
- MAC Address Table Size: 1K
- Forwarding Rate: 148,800pps
- Operating Temp: -40°C to +70°C
- Relay output option for visual or audible alarms


IES-2205 IES-2208


IES-2216


IES-2206 IES-2210


IES-2220


New
LCPS-4024


New
LCPS-6024

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L-com Global Connectivity


EW-EX17008


EW-42005


EW-EX61800A-00B

New


EW-EX94008-00-1-A

New


EW-EX71800-00B


EW-48VDC-120

Item #	Description	List Price

EtherWAN 10/100TX PoE Switches - Web Based Management

EtherWAN's EX17000 series PoE 10/100BASE Fast Ethernet Web-Smart PoE Ethernet Switches are designed to operate in the small or medium network environment to provide Power to PoE driven devices, such as PoE IP cameras. These PoE switches may be desktop or rack mounted and all ports support IEEE802.3af Power over Ethernet (PoE) Power Sourcing Equipment (PSE) and can detect an IEEE802.3af compliant Powered Device (PD). Additionally the EX17000 series switches feature a web browser interface that allows the user to configure IP settings, Port Based VLAN, QoS settings, and more. **As an authorized EtherWan reseller, we can bid on RFQs for any EtherWan part numbers. Contact us to request a non-obligatory quote!**

EW-EX17008	EtherWAN Web Based Managed Industrial Ethernet Switch 8 10/100TX PoE Ports	239.98
EW-EX17016	EtherWAN Web Based Managed Industrial Ethernet Switch 16 10/100TX PoE Ports	397.98
EW-EX17082	EtherWAN Web Based Managed Industrial Ethernet Switch 8 10/100TX PoE Ports + 2GIG SFP Combo	378.98
EW-EX17162	EtherWAN Web Based Managed Industrial Ethernet Switch 16 10/100TX PoE Ports + 2GIG SFP Combo	524.98
EW-EX17242	EtherWAN Web Based Managed Industrial Ethernet Switch 24 10/100TX PoE Ports + 2GIG SFP Combo	824.98

EtherWAN 10/100TX Unmanaged Industrial Fast Ethernet Switches (Some Models Include 100FX Duplex SC Fiber Ports)

The EX42000 & EX43000 series compact Fast Ethernet Switches are equipped with 10/100Base-TX RJ45 ports and Multimode or Single mode fiber uplink ports. By using standard auto-negotiation and the inclusion of auto-MDIX, EtherWAN provides a cost-effective way of integrating legacy 10Mbps networks with 100Mbps Fast Ethernet networks. The TX ports auto-negotiate for 10/100Mbps speed and auto-detect full or half-duplex mode. EX42000 & EX43000 series switches can be DIN-Rail mounted and are equipped with terminal block power inputs. **As an authorized EtherWan reseller, we can bid on RFQs for any EtherWan part numbers. Contact us to request a non-obligatory quote!**

EW-EX42005-00-1-A	EtherWAN Unmanaged Industrial Ethernet Switch 5 10/100TX Ports	89.98
EW-EX42014-1A-1-A	EtherWAN Unmanaged Industrial Ethernet Switch 4 10/100TX Ports + 1 100FX, MM, 2Km, SC	184.98
EW-EX42014-2A-1-A	EtherWAN Unmanaged Industrial Ethernet Switch 4 10/100TX Ports + 1 100FX, SM, 20Km, SC	289.98
EW-EX43008-00-1-A	EtherWAN Unmanaged Industrial Ethernet Switch 8 10/100TX Ports	134.98
EW-EX43018-1A-1-A	EtherWAN Unmanaged Industrial Ethernet Switch 8 10/100TX Ports + 1 100FX MM, 2Km, SC	234.98
EW-EX43018-2A-1-A	EtherWAN Unmanaged Industrial Ethernet Switch 8 10/100TX Ports + 1 100FX SM, 20Km, SC	339.98

EtherWAN 10/100TX Managed Industrial Fast Ethernet Switch (Some Models with 1000SX or 1000LX Duplex SC Fiber Ports)

The EX61800 series is designed to operate in harsh environments on the factory floor. The EX61800 functions at temperatures ranging from -10°C to 60°C (14°F to 140°F). The EX61800 will provide flawless communications when you need it most. The EX61800 is a managed switch with the flexibility of eight 10/100 Ethernet ports that may be configured in various combinations of copper and fiber optic interfaces. **As an authorized EtherWan reseller, we can bid on RFQs for any EtherWan part numbers. Contact us to request a non-obligatory quote!**

EW-EX61800A-00B	EtherWAN Managed Industrial Ethernet Switch 8 10/100TX Ports	604.98
EW-EX61801A-03B	EtherWAN Managed Industrial Ethernet Switch 8 10/100TX Ports + 1 1000SX, MM, 550M, SC	769.98
EW-EX61801A-0AB	EtherWAN Managed Industrial Ethernet Switch 8 10/100TX Ports + 1 1000LX, SM, 10Km, SC	844.98
EW-EX61802A-03B	EtherWAN Managed Industrial Ethernet Switch 8 10/100TX Ports + 2 1000SX, MM, 550M, SC	934.98
EW-EX61802A-0AB	EtherWAN Managed Industrial Ethernet Switch 8 10/100TX Ports + 2 1000LX, SM, 10Km, SC	1079.98

EtherWAN 10/100TX Unmanaged NEMA Hardened Fast Ethernet Switches (-40ºC to +75ºC)

The EX94000 series of Unmanaged NEMA Hardened Fast Ethernet Switches are designed to function at temperatures ranging from -40°C to 75°C (-40°F to 167°F) and are tested for functional operation up to 85ºC (185ºF). Equipped with 10/100Base-TX RJ45 ports and Multimode or Single mode fiber uplink ports, they may be DIN rail, Panel or Rack mounted. The EX94000 series comes with power options to match the applications that require a tough, environmentally hardened product. Complies with NEMA TS1 & TS2 Environmental requirements for traffic control equipment, complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment ISA 12.12.01 (UL1604) Class I, and Division 2 Classified for use in hazardous locations (applicable to versions with DC Terminal Block power option). The variable power terminal block input can support voltages ranging from 12 to 48 VDC. **As an authorized EtherWan reseller, we can bid on RFQs for any EtherWan part numbers. Contact us to request a non-obligatory quote!**

EW-EX94008-00-1-A	EtherWAN Unmanaged NEMA Hardened Ethernet Switch 8 10/100TX Ports	249.98
EW-EX94018-1A-1-A	EtherWAN Unmanaged NEMA Hardened Ethernet Switch 8 10/100TX Ports + 1 100FX, MM, 2Km, SC	369.98
EW-EX94018-2A-1-A	EtherWAN Unmanaged NEMA Hardened Ethernet Switch 8 10/100TX Ports + 1 100FX, SM, 20Km, SC	469.98

EtherWAN 10/100TX Managed NEMA Hardened Fast Ethernet Switches (-40ºC to +75ºC)

The EX71000 series of Managed NEMA Hardened Fast Ethernet Switches are designed to function at temperatures ranging from -40°C to 75°C (-40°F to 167°F) and are tested for functional operation up to 85ºC (185ºF). Equipped with 10/100Base-TX RJ45 ports and Multimode or Single mode fiber uplink ports, they may be DIN rail, Panel or Rack mounted. The EX71000 series comes with power options to match the applications that require a tough, environmentally hardened product. Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment, complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment ISA 12.12.01 (UL1604) Class I, and Division 2 Classified for use in hazardous locations (applicable to versions with DC Terminal Block power option). The variable power terminal block input can support voltages ranging from 12 to 48 VDC. **As an authorized EtherWan reseller, we can bid on RFQs for any EtherWan part numbers. Contact us to request a non-obligatory quote!**

EW-EX71800-00B	EtherWAN Managed NEMA Hardened Ethernet Switch 8 10/100TX Ports	774.98
EW-EX71802-01B	EtherWAN Managed NEMA Hardened Ethernet Switch 8 10/100TX Ports + 1 100FX, MM, 2Km, SC	959.98
EW-EX71802-0AB	EtherWAN Managed NEMA Hardened Ethernet Switch 8 10/100TX Ports + 1 100FX, SM, 20Km, SC	1329.98

EtherWAN 24V and 48V AC/DC DIN Rail Power Supplies

EtherWAN offers several versions of AC/DC DIN Rail power supplies for providing safety low voltage to Its Industrial Ethernet Switch and media converter lines. The EW-24VDC-30 provides 24 VDC power @ 30 watts to connected equipment and the EW-48VDC-120 provides up to 48 volt DC @ 120 Watts. **As an authorized EtherWan reseller, we can bid on RFQs for any EtherWan part numbers. Contact us to request a non-obligatory quote!**

EW-24VDC-30	EtherWAN Unmanaged 24V DC 30 Watt (1.25A) DIN Rail Power Supply	79.00
EW-24VDC-60	EtherWAN Unmanaged 24V DC 60 Watt (2.5A) DIN Rail Power Supply	125.00
EW-24VDC-75	EtherWAN Unmanaged 24V DC 75 Watt (3A) DIN Rail Power Supply	170.00
EW-48VDC-75	EtherWAN Unmanaged 48V DC 75 Watt (1.5A) DIN Rail Power Supply	170.00
EW-48VDC-120	EtherWAN Unmanaged 48V DC 120 (2.5A) Watt DIN Rail Power Supply	189.00

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Customer Testimonials
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L-com.com/Testimonials

Item #	Description	List Price

NETGEAR® ReadyNAS Duo RND2000 2-Bay (Home/SOHO) Network Storage Servers

NETGEAR's ReadyNAS Duo is perfect for homes with more than one computer. Unlike a USB drive, the ReadyNAS connects to the network and is simultaneously accessible via all connected Windows or Macintosh computers. If there is a broadband Internet connection and a home router, the ReadyNAS can be set up to provide secure access to all the stored files remotely via the Internet. For added protection of stored data, an optional second hard disk drive can be installed. The spare hard drive will keep an extra copy of all the data and instantly take over if the first hard drive should fail. Advanced media streaming support allows the ReadyNAS to directly serve media, with no PC required, to devices such as the NETGEAR EVA products, Sonos® Digital Music System, Logitech Squeezebox™, Apple iTunes® clients, Sony Playstation® 3 and Microsoft Xbox 360®. All ReadyNAS systems support the Apple Filing Protocol (AFP) and Apple Time Machine™ so multiple Mac users can use a central location to share files and do backups. Bonjour® software enables auto-discovery and Macintosh status monitoring widgets are supported. Detailed specifications can be found at L-com.com. **As an authorized NETGEAR reseller, we can bid on RFQs for any NETGEAR part numbers. Contact us to request a non-obligatory quote!**

RND2000-200NAS	NETGEAR ReadyNAS Duo V2 (HOME/SOHO) NAS SATA Raid 0/1 2 Bay Diskless	278.98
RND2110-200NAS	NETGEAR ReadyNAS Duo V2 1TB (HOME/SOHO) NAS SATA Raid 0/1 2 Bay (1x 1TB)	468.98
RND2210-200NAS	NETGEAR ReadyNAS Duo V2 2TB (HOME/SOHO) NAS SATA Raid 0/1 2 Bay (2x 1TB)	697.98

NETGEAR® ReadyNAS NV+ RND4000 4-Bay (Home/SOHO) Network Storage Servers

NETGEAR's ReadyNAS™ NV+ v2 was designed specifically for power users and home offices. Never before has there been available a cost-conscious network attached storage (NAS) appliance packed with robust high-end server features, including Gigabit Ethernet, hardware RAID, system monitoring capabilities and built-in backup. ReadyNAS allows you to start with one disk, then add the additional drives over time, without reconfiguring the system and shuffling the data. ReadyNAS is a single centralized source for all of your digital data. The variety of digital devices and hard drives that currently house the data in your home and office can make locating a particular file quite arduous. ReadyNAS can bring all of that data together for fast and easy file serving to multiple clients simultaneously. If it's video or other high-definition media you are working with, you can use your ReadyNAS for streaming to multiple devices at the same time. ReadyNAS also provides DLNA Certified media streaming to a wide variety of digital media devices (such as NETGEAR EVA products or Microsoft Xbox 360™). The industrial design and ultra compact form factor of the ReadyNAS makes it perfect for any home office or small business. Standing only eight inches tall and five inches wide, it can fit in any entertainment center or on any desk without taking up much space or making much noise. ReadyNAS also offers low power consumption and a special energy-saving mode that allows you to automate startup and shutdown. Detailed specifications can be found at L-com.com. **As an authorized NETGEAR reseller, we can bid on RFQs for any NETGEAR part numbers. Contact us to request a non-obligatory quote!**

RND4000-200NAS	NETGEAR ReadyNAS NV+ V2 (HOME/SOHO) NAS SATA Raid 0/1 4 Bay Diskless	557.98
RND4210-200NAS	NETGEAR ReadyNAS NV+ V2 2TB (HOME/SOHO) NAS SATA Raid 0/1 4 Bay (2x 1TB)	874.98
RND4410-200NAS	NETGEAR ReadyNAS NV+ V2 4TB (HOME/SOHO) NAS SATA Raid 0/1 4 Bay (4x 1TB)	1104.98

NETGEAR® ReadyNAS Pro 2, 4 and 6-Bay (Business Class) Network Storage Servers (Enterprise Class Drives)

The ReadyNAS Pro family brings reliable, affordable and simple solutions for data management to small offices and remote locations. It's an affordable business-class platform for shared storage in VMware® and Hyper-V™ environments. The Pro can also deliver reliable disk-based backup capacity for locations looking to reduce tape dependence, with scalable replication options for remote site data protection. The Pro family delivers business-class data protection and management that's a step above consumer grade products. A complete set of backup tools is included with every system. Truly affordable small office storage is not typically available from traditional enterprise vendors. The ReadyNAS Pro family scales with business needs and budget constraints, and cuts license, installation, maintenance and staffing needs down upon installation. Enterprise-class drives have higher tolerance internal parts designed to meet the needs of high-availability environment, 24/7 at peak loads. They also have higher tolerance for vibration, heat and the other environmental factors which come in a server environment. For those who are interested in the Business class features of the Pro series but do not require the added cost associated with Enterprise Class drives, Netgear offers Desktop Class Drive options for an economical solution with no compromise on the business class features. Detailed specifications can be found at L-com.com. **As an authorized NETGEAR reseller, we can bid on RFQs for any NETGEAR part numbers. Contact us to request a non-obligatory quote!**

RNDP2210-100NAS	NETGEAR ReadyNAS Pro2 2TB (Business Class) NAS 2 Bay (2x 1TB) (Enterprise Class Drives)	1084.98
RNDP2220-100NAS	NETGEAR ReadyNAS Pro2 4TB (Business Class) NAS 2 Bay (2x 2TB) (Enterprise Class Drives)	1354.98
RNDP2230-100NAS	NETGEAR ReadyNAS Pro2 6TB (Business Class) NAS 2 Bay (2x 3TB) (Enterprise Class Drives)	1959.98
RNDP4410-100NAS	NETGEAR ReadyNAS Pro4 4TB (Business Class) NAS 4 Bay (4x 1TB) (Enterprise Class Drives)	2104.98
RNDP4420-100NAS	NETGEAR ReadyNAS Pro4 8TB (Business Class) NAS 4 Bay (4x 2TB) (Enterprise Class Drives)	2974.98
RNDP4430-100NAS	NETGEAR ReadyNAS Pro4 12TB (Business Class) NAS 4 Bay (4x 3TB) (Enterprise Class Drives)	4149.98
RNDP6610-100NAS	NETGEAR ReadyNAS Pro4 6TB (Business Class) NAS 2 Bay (6x 1TB) (Enterprise Class Drives)	3374.98
RNDP6620-100NAS	NETGEAR ReadyNAS Pro4 12TB (Business Class) NAS 6 Bay (6x 2TB) (Enterprise Class Drives)	6839.98
RNDP6630-100NAS	NETGEAR ReadyNAS Pro4 18TB (Business Class) NAS 6 Bay (6x 3TB) (Enterprise Class Drives)	6729.98

NETGEAR® ReadyNAS 2100 4-Bay (Business Class) 19" Rack Mount Network Storage Servers (Enterprise Class Drives)

The ReadyNAS 2100 is a 1U 4-bay storage system designed for workgroups and small businesses. It is a high-quality solution for storing, sharing and protecting business-critical data that is affordable for the smallest office. ReadyNAS unified architecture solves numerous data management problems with a single system, making capacity management, access, backup, restore and disaster recovery worries obsolete. Now you can eliminate common data concerns and revolutionize your storage environment without becoming an expert. Simultaneously supports NAS and iSCSI SAN for database and server virtualization applications. Reliable, automatic, data protection with offsite options, cross-platform support for Windows®, Macintosh® and UNIX®/Linux systems. High-density 1U rack-mount, extreme energy efficiency and simple serviceability, Enterprise-class drives have higher tolerance internal parts designed to meet the needs of high-availability environment, 24/7 at peak loads. They also have higher tolerance for vibration, heat, and the other environmental factors which come in a server environment. For those who are interested in the Business class features of the Pro series but do not require the added cost associated with Enterprise Class drives, Netgear offers Desktop Class Drive options for an economical solution with no compromise on the business class features. Detailed specifications can be found at L-com.com. **As an authorized NETGEAR reseller, we can bid on RFQs for any NETGEAR part numbers. Contact us to request a non-obligatory quote!**

RNRX4410-100NAS	NETGEAR ReadyNAS 2100 4TB (Business Class) NAS 4 Bay (4x 1TB) (Enterprise Class Drives)	2934.98
RNRX4420-100NAS	NETGEAR ReadyNAS 2100 8TB (Business Class) NAS 4 Bay (4x 2TB) (Enterprise Class Drives)	4190.98
RNRX4430-100NAS	NETGEAR ReadyNAS 2100 12TB (Business Class) NAS 4 Bay (4x 3TB) (Enterprise Class Drives)	5624.98

New



RND2000-200NAS

New



RND4000-200NAS

New



RNDP2210-100NAS

New



RNDP4410-100NAS

New



RNDP6610-100NAS

New



RNRX4410-100NAS

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Security / Surveillance Tutorial

Physical Layer Air Gap Network Switch Overview

Air-Gap Network Switches = Secure Hardware Access Control

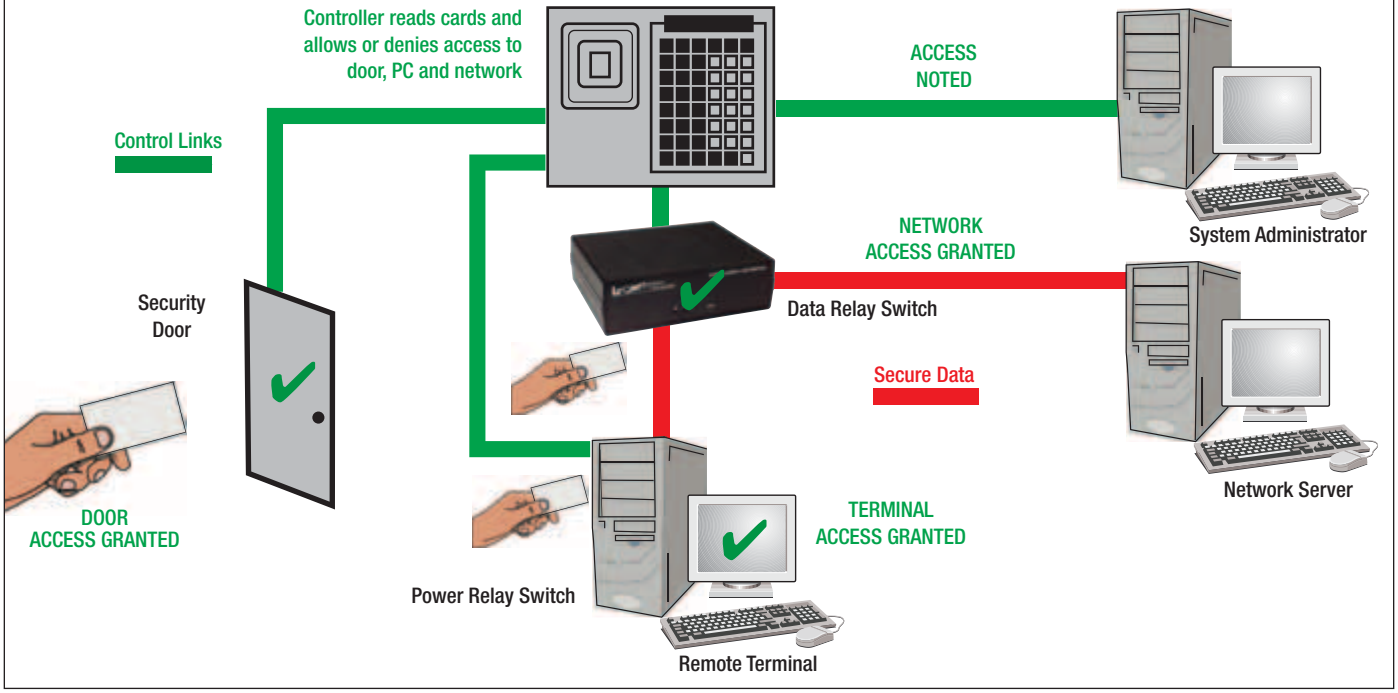
Unauthorized access to private networks presents the greatest security threat to any organization that deals in sensitive or classified data. Theft of classified information and trade secrets, corruption of data and unauthorized control of automated systems relentlessly challenge security officers and network administrators.

Hardware security centers on the control of the wired and wireless connections at the edges of networks and systems that tie their elements together. These solutions are air-gap switches that open and close those connections. Whether the switches are controlled manually or automatically, their points of connection to the systems and networks they protect are managed with the absolute assurance of hardware that cannot be breached by unauthorized personnel through the communications channel that passes through the switch.

Hardware security solutions are traditionally applied to the control of physical spaces like buildings, laboratories and data centers. Card and key fob credentials are commonly used to gain access to those spaces. The same credentials can be used to control access to electronic and optical data streams when specialized hardware is integrated with an air gap network switch.

Information Security System

One card controls access to doors, power and data



Optional Product Features

Ethernet IP Access/Control



Allows IP access to an Ethernet network for monitoring and control

Serial Access/Control



Allows RS232 serial access for monitoring and control

Latching or Non-Latching



Non- Latching versions provide automatic fail-over to the default port A to C connection state when power fails or is removed

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For more useful information go to.... L-com.com/Resources

L-com Category 6 A/B Physical Layer Air Gap Network Switch Boxes

L-com's Category 6 A/B Network Switches are a physical layer hardware solution which supports a variety of applications including Secure or Simple Desktop Network Resource Sharing, Disaster Recovery, Network Access Control, and Auto Fall-Back. These switch boxes feature a unique relay technology that supports the switching mechanism. Additionally, all units incorporate technology that enables these switch boxes to operate independent of data rates, protocol and formats. This allows them to pass 10/100/1000Mbps, 10Gbps, and other future, high speed data rates. Non-latching or latching relay configurations are available. The non-latching units provide automatic fail-over to the default Port A to C connection state when power fails or is removed. Latching relays provide the benefit of maintaining the flow of data between the connected devices even when power is removed. Note: The Ethernet models may be controlled via telnet, web browser or SNMP. Ships with a universal 12V DC power supply with four different style country plugs.

L-com Category 6 A/B Physical Layer Air Gap Network Switch Boxes (RJ45 Ports)

Item #	Description	List Price
LC-SNSW-C6-L	Cat6 A/B Network Switch - Latching	334.00
LC-SNSW-C6	Cat6 A/B Network Switch - Non-Latching	334.00
LC-SNSW-C6-LSC	Cat6 A/B Network Switch with Serial Control - Latching	360.00
LC-SNSW-C6-SC	Cat6 A/B Network Switch with Serial Control - Non-Latching	360.00
LC-SNSW-C6-LEC	Cat6 A/B Network Switch with Ethernet Control - Latching	465.00
LC-SNSW-C6-EC	Cat6 A/B Network Switch with Ethernet Control - Non-Latching	465.00

L-com Fiber Optic A/B Physical Layer Air Gap Network Switch Boxes (Multimode and Single mode)

L-com's fiber optic A/B Network Switches support a variety of switching, or access and control applications all in a compact desktop enclosure. These applications include Disaster Recovery, Air Gapped Network Access Control, Desktop Switching, and Secure Switching. The fiber optic switch boxes utilize special optical switching mechanisms that redirect the light beams between selected ports. There is no optical-to-electrical-to-optical conversion needed. Because of this, these switches are able to support any data rate, format, or protocol that can be sent over fiber optic cables that are attached to the switch. The Multimode Fiber Switch models support any/all wavelengths from 800 to 1600nm, while the Single mode Fiber Switches support 1310 and 1550nm wavelengths. Non-latching or latching relay configurations are available. The non-latching units provide automatic fail-over to the default Port A to C connection state when power fails or is removed. Latching versions provide the benefit of maintaining the flow of data between the connected devices even when power is removed. Note: The Ethernet models may be controlled via telnet, web browser or SNMP. Ships with a universal 12V DC power supply with four different style country plugs.

L-com Multimode Fiber A/B Physical Layer Air Gap Network Switch Boxes (Duplex SC Connectors)

LC-SNSW-FMMSC-L	Multimode SC Fiber A/B Switch - Latching	757.00
LC-SNSW-FMMSC	Multimode SC Fiber A/B Switch - Non-Latching	757.00
LC-SNSW-FMMSC-LSC	Multimode SC Fiber A/B Switch with Serial Control - Latching	783.00
LC-SNSW-FMMSC-SC	Multimode SC Fiber A/B Switch with Serial Control - Non-Latching	783.00
LC-SNSW-FMMSC-LEC	Multimode SC Fiber A/B Switch with Ethernet Control - Latching	884.00
LC-SNSW-FMMSC-EC	Multimode SC Fiber A/B Switch with Ethernet Control - Non-Latching	884.00

L-com Multimode Fiber A/B Physical Layer Air Gap Network Switch Boxes (Duplex ST Connectors)

LC-SNSW-FMMST-L	Multimode ST Fiber A/B Switch - Latching	757.00
LC-SNSW-FMMST	Multimode ST Fiber A/B Switch - Non-Latching	757.00
LC-SNSW-FMMST-LSC	Multimode ST Fiber A/B Switch with Serial Control - Latching	783.00
LC-SNSW-FMMST-SC	Multimode ST Fiber A/B Switch with Serial Control - Non-Latching	783.00
LC-SNSW-FMMST-LEC	Multimode ST Fiber A/B Switch with Ethernet Control - Latching	884.00
LC-SNSW-FMMST-EC	Multimode ST Fiber A/B Switch - Non-Latching	884.00

L-com Multimode Fiber A/B Physical Layer Air Gap Network Switch Boxes (Duplex LC Connectors)

LC-SNSW-FMMLC-L	Multimode LC Fiber A/B Switch - Latching	944.00
LC-SNSW-FMMLC	Multimode LC Fiber A/B Switch - Non-Latching	944.00
LC-SNSW-FMMLC-LSC	Multimode LC Fiber A/B Switch with Serial Control - Latching	969.00
LC-SNSW-FMMLC-SC	Multimode LC Fiber A/B Switch with Serial Control - Non-Latching	969.00
LC-SNSW-FMMLC-LEC	Multimode LC Fiber A/B Switch with Ethernet Control - Latching	1071.00
LC-SNSW-FMMLC-EC	Multimode LC Fiber A/B Switch with Ethernet Control - Non-Latching	1071.00

L-com Single mode Fiber A/B Physical Layer Air Gap Network Switch Boxes (Duplex SC Connectors)

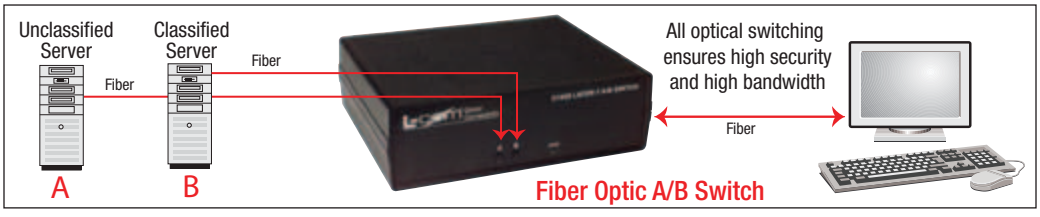
LC-SNSW-FSMSC-L	Single mode SC Fiber A/B Switch - Latching	1181.00
LC-SNSW-FSMSC	Single mode SC Fiber A/B Switch - Non-Latching	1181.00
LC-SNSW-FSMSC-LSC	Single mode SC Fiber A/B Switch with Serial Control - Latching	1206.00
LC-SNSW-FSMSC-SC	Single mode SC Fiber A/B Switch with Serial Control - Non-Latching	1206.00
LC-SNSW-FSMSC-LEC	Single mode SC Fiber A/B Switch with Ethernet Control - Latching	1311.00
LC-SNSW-FSMSC-EC	Single mode SC Fiber A/B Switch with Ethernet Control - Non-Latching	1311.00

L-com Single mode Fiber A/B Physical Layer Air Gap Network Switch Boxes (Duplex ST Connectors)

LC-SNSW-FSMST-L	Single mode ST Fiber A/B Switch - Latching	1181.00
LC-SNSW-FSMST	Single mode ST Fiber A/B Switch - Non-Latching	1181.00
LC-SNSW-FSMST-LSC	Single mode ST Fiber A/B Switch with Serial Control - Latching	1206.00
LC-SNSW-FSMST-SC	Single mode ST Fiber A/B Switch with Serial Control - Non-Latching	1206.00
LC-SNSW-FSMST-LEC	Single mode ST Fiber A/B Switch with Ethernet Control - Latching	1311.00
LC-SNSW-FSMST-EC	Single mode ST Fiber A/B Switch with Ethernet Control - Non-Latching	1311.00

L-com Single mode Fiber A/B Physical Layer Air Gap Network Switch Boxes (Duplex LC Connectors)

LC-SNSW-FSMLC-L	Single mode LC Fiber A/B Switch - Latching	1367.00
LC-SNSW-FSMLC	Single mode LC Fiber A/B Switch - Non-Latching	1367.00
LC-SNSW-FSMLC-LSC	Single mode LC Fiber A/B Switch with Serial Control - Latching	1392.00
LC-SNSW-FSMLC-SC	Single mode LC Fiber A/B Switch with Serial Control - Non-Latching	1392.00
LC-SNSW-FSMLC-LEC	Single mode LC Fiber A/B Switch with Ethernet Control - Latching	1494.00
LC-SNSW-FSMLC-EC	Single mode LC Fiber A/B Switch with Ethernet Control - Non-Latching	1494.00





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Security / Surveillance Tutorial

Security surveillance equipment, more commonly referred to as CCTV (closed circuit television) equipment, is not just for large corporations and municipalities anymore. Changes in technology and the market have made CCTV more affordable than ever allowing consumers and small businesses to benefit from the additional layer of security provided by being able to record activities in their buildings and properties. This tutorial will provide an overview of the most common options available and how to choose what is best for you.

Camera Styles

The style of a camera refers to the shape and mounting options of a CCTV camera. The most common camera styles are dome, bullet, box, PTZ, and covert.



DOME CAMERAS

Dome cameras are becoming increasingly popular due to their ability to blend in with their surroundings. These cameras are used in residential applications as well as public places such as convenience stores, offices, and lobbies. Though they can be mounted to a wall, they are usually mounted on the ceiling.



BULLET CAMERAS

Bullet cameras are encased in cylindrical usually weather resistant housings. Their size, cost and integrated design make them a great choice for home and outdoor installations.



BOX CAMERAS

Box cameras can be used with or without a housing. In most instances, they are used with a housing and bracket unit for outdoor areas such as parking lots and entry gates. Lenses are purchased separately offering greater flexibility.



PTZ CAMERAS

PTZ cameras are more expensive but offer the operator more control with remote pan/tilt/zoom. These cameras are used primarily when an operator is actively monitoring an area and needs to manipulate the camera. They are popular in department stores, casinos and government buildings.



COVERT/SPY CAMERAS

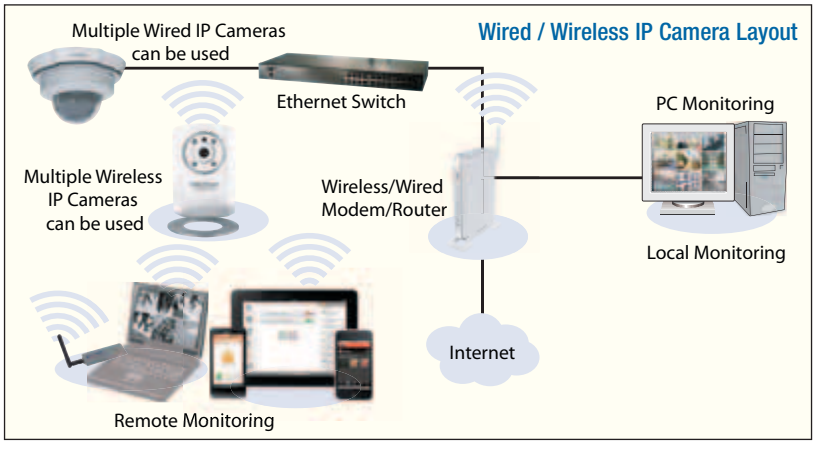
Covert or Spy cameras are designed for discreet installations. They are commonly referred to as a nanny cam. Used frequently by private investigators, or concerned parents they effectively capture video without others being aware.

Wired vs Wireless

Wired Surveillance

A wired CCTV system requires the cameras to be physically connected to your monitor, computer or DVR via a cable. The optimal choice for a camera security system is wired. Wired systems are more cost effective, provide the highest quality video, and no signal interruption. L-com currently offers both IP Based Cat5e (or better) Standalone cameras as well as DVR all in one kits that utilize coax cabling.





Wireless IP Surveillance

A wireless CCTV system typically uses the 2.4GHz frequency to transmit the signal through your LAN (Local Area Network) to your computer. Most wireless CCTV cameras have some range limitations with clear line of sight transmission requirements. Wall thickness and other interference may decrease this distance. Wireless IP cameras offer greater flexibility when placing your camera, and require no long cable runs. However most still require the use of an AC adapter.

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For more useful information go to....
L-com.com/Resources

Shop at L-com.com or call 1-800-343-1455 • E-mail: sales@L-com.com • Fax: 978-689-9484

Item #	Description	List Price

TRENDnet Wireless 802.11n Day/Night Internet Camera

The Wireless N Day/Night IP Camera, model TV-IP551WI, transmits real-time video over the internet. Record crisp video in complete darkness for distances of up to 7.5 meters. Wireless N technology provides unsurpassed wireless coverage and improved streaming video quality. Add this camera to your wireless network at the touch of a button with WiFi Protected Setup (WPS). Record 640 x 480 (VGA) video at up to 20 frames per second (fps). Manage up to 32 TRENDnet cameras with the included complimentary camera management software. Advanced features include adjustable motion detection recording areas, email alerts, scheduled recording sessions, one-way audio, an adjustable lens, and four times digital zoom. A wall/ceiling mounting kit is included and the camera's off white housing blends into most environments.

TV-IP551WI	TRENDnet Wireless 802.11n Day/Night Internet Camera	99.98

D-Link Wireless 802.11n Day/Night PTZ Internet Camera

The DCS-5635 is a high performance IP camera for professional surveillance and remote monitoring. This Internet camera features motorized pan, tilt, and optical/digital zoom for ultimate versatility. The 10x optical zoom lens delivers the level of detail necessary to identify faces, license plate numbers, and other important details that are difficult to clearly distinguish using digital zoom alone. In addition, the DCS-5635 is equipped with Wireless N. The built-in antennas enable the camera to have versatile placement in more places without the hassle of additional wires.

DCS-5635	D-Link Wireless 802.11n Day/Night PTZ Internet Camera	1099.98

D-Link Outdoor Dome Enclosure for DCS-5635 IP Camera

D-Link's DCS-71W outdoor dome housing provides cost-effective protection and versatile connectivity options for the D-Link DCS-5635, motorized pan and tilt surveillance camera in outdoor environments. The DCS-71W provides wireless connection for the DCS-5635. A built-in power supply, heater and blower mean these housings can be used under adverse weather conditions.

DCS-71W	D-Link Outdoor Dome Enclosure for DCS-5635 IP Camera	319.98

D-Link Fixed Vandal Proof Dome Network Camera with Built in 802.3af PoE

The D-Link DCS-6510 is a fixed vandal proof dome IP camera with day and night functionality and 802.3af Power over Ethernet. It's ideal for use in places where a surveillance camera would require protection from tampering or vandalism. The DCS-6510 uses a CMOS sensor with low lux sensitivity to deliver truly superior image quality in all lighting conditions. A built-in Infrared Cut Removable (ICR) filter allows the camera to capture images in both regular and low light conditions. The built-in Infrared (IR) illuminators enable video capture up to 20 meters in total darkness. The DCS-6510 is equipped with a BNC video connector as well as one digital input and one digital output for integration with external devices.

DCS-6510	D-Link Fixed Vandal Proof Dome Network Camera with Built in 802.3af PoE	814.98

D-Link Day and Night Dome Network Camera with Built in 802.3af PoE

The D-Link DCS-6111 Day and Night Camera with WDR Sensor is designed for professional around-the-clock surveillance. It uses a Wide Dynamic Range (WDR) VGA Progressive CMOS sensor for better performance under various lighting conditions, delivering exceptional picture quality. The WDR provides the DCS-6111 the capability to capture high resolution, detailed images in high contrast lighting conditions and significantly improves the quality of real-time videos. The DCS-6111 is equipped with D-Link's System-on-Chip (SoC) products to provide high quality video compression in MPEG-4 and Motion JPEG formats. It also incorporates Varifocal lens with IR LEDs to offer enhanced flexibility and enhanced security, making it the ideal solution for 24/7 surveillance.

DCS-6111	D-Link Day and Night Dome Network Camera with Built in 802.3af PoE	549.98

Vonnic DVR All in One Kit Surveillance Systems

These all in one kits are available with either cost effective CMOS cameras or with high resolution CCD cameras. Both options are available with pre-installed 500GB HDD for straight out of the box installation. Models are also available with no HDD installed to allow you to install your own HDD or you can purchase one of our high quality Seagate Barracuda OEM drives. DVRs are upgradeable to 2TB. (More detailed specifications available at L-com.com).

Vonnic Surveillance Systems 4 Channel DVR with 4 CMOS Cameras (Max Resolution 1024 x 768)

Capable of real time video display these kits also provide 3 distinct recording modes. Manual/Regular Continuous, Scheduled or Motion Detection at 30FPS per channel. The DVR uses H.264 compression to maximize HDD recording capacity. Multiple remote viewing options that also includes support for 1 channel viewing on 3G/4G mobile devices (iPhone®, iPad®, Android™, Blackberry®, NOKIA©, Motorola©). More detailed specifications available at L-com.com. **As an authorized Vonnic reseller, we can bid on RFQs for any Vonnic part numbers. Contact us to request a non-obligatory quote!**

VNC-DK4-C1404CM	Vonnic 4CH DVR with 4 CMOS Cameras, no HDD Installed	169.98
VNC-DK4-C1404CM-HD	Vonnic 4CH DVR with 4 CMOS Cameras, 500GB HDD Pre-installed	249.98

Vonnic Surveillance Systems 4 Channel DVR with 4 CCD Cameras (Max Resolution 1280 x 1024)

Capable of real time video display these kits also provide 3 distinct recording modes. Manual/Regular Continuous, Scheduled or Motion Detection at 30FPS per channel. The DVR uses H.264 compression to maximize HDD recording capacity. Multiple remote viewing options that also includes support for 4 channel viewing on 3G/4G mobile devices (iPhone®, iPad®, Android™, Blackberry®, NOKIA©, Motorola©). More detailed specifications available at L-com.com. **As an authorized Vonnic reseller, we can bid on RFQs for any Vonnic part numbers. Contact us to request a non-obligatory quote!**

VNC-DK4-K4404CCD	Vonnic 4CH DVR with 4 CCD Cameras, no HDD Installed	294.98
VNC-DK4-K4404CCD-HD	Vonnic 4CH DVR with 4 CCD Cameras, 500GB HDD Pre-installed	374.98

Seagate Barracuda® Hard Drive Disks (HDD)

Seagate Barracuda® hard drives give you one hard drive platform for every desktop storage application. One drive with trusted performance, reliability, simplicity and capacity. These drives are ideal to use with our Vonnic All In One Kits.

VNC-HDSG500	Seagate ST500DM002 Barracuda SATA (7200RPM) HDD 500GB	89.98
VNC-HDSG1TB	Seagate ST1000DM003 Barracuda SATA (7200RPM) HDD 1TB	104.98
VNC-HDSG2TB	Seagate ST2000DM001 Barracuda SATA (7200RPM) HDD 2TB	134.98



What are Digital Video Recorders (DVR)?

A digital video recorder (DVR) is the central component in any CCTV system where it is necessary to record and store the video from any camera. There are two main types, standalone DVRs and PC based DVRs. Standalone DVRs have been the most widely used but PC based DVRs are becoming increasingly more popular with their upgrade flexibility and decreasing costs.

Standalone DVR

Standalone DVRs are machines that run on Linux, Unix or other proprietary operating system. Designed for a single application, they are simple to use and offer many features. They are commonly available in 4 channel, 8 channel and 16 channel and typically include a central management software (CMS) for remote viewing, PTZ control, live and recording playback options and motion detection.

PC Based DVRs

A PC based IP (Wireless/Wired) Camera DVR is typically a windows based computer that you install the associated software that comes with the camera. Initial setup of a PC based DVR is more complicated as it requires some network configuration but you do have increased flexibility when adding cameras and storage, plus the added cost savings of using your existing computer equipment.

Customer Testimonials
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L-com.com/Testimonials

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Serial Products Tutorial



What is a Serial Converter?

A Serial Converter, sometimes referred to as an Interface converter, allows you to convert between different serial protocols to allow for the interconnectivity of various serial devices.

How is a Serial Converter used?

Serial Converters typically consist of a minimum of two bi-directional interfaces, one each for the different protocols being converted, for RS232 (Full Duplex / Half Duplex) for RS422/423/485 (Half Duplex). These interfaces can consist of any combination of Telephony style Modular Jacks, Terminal Blocks or D-Subs (DB9, DB25). In the case of an RS232 to RS485 Converter, one of the interfaces would be used to handle the RS232 signals while the other is used to handle the RS485 signals.

RS232:

First introduced in 1962, it is a series of standards for serial binary single-ended data and control signals for connecting a DTE (Data Terminal Equipment) (PC) and a DCE (Data Communication Equipment) (Modem).

It uses multi-conductor cabling and it can function in both half duplex as well as full duplex modes of operation. It was designed for point-to-point connections, (1) DTE & (1) DCE.

The accepted max distance for standard cabling is 50 feet (15m).

With a maximum baud rate of 20 kbit/s at 50 feet (15m) & theoretically 1kbit/s at 4,000 feet (1,200m).

However with low-capacitance cabling the 20 kbit/s can be effectively maintained up to a theoretical distance of 1,000 feet (300m).

RS422:

A high-speed protocol similar to RS232 but with differential signaling in a multi-drop configuration.

It was designed for half duplex mode of operation.

It uses Twisted Pair cabling and can support a maximum of 10 Devices (1) DTE & (10) DCE

With appropriate cabling it can be effectively used up to a theoretical distance of 4,000 feet (1,200m).

With a maximum baud rate of 10 Mbit/s at 40 feet (12m) & 100 kbit/s at 4,000 feet (1,200m).

RS423:

A high-speed protocol similar to RS422 but with unbalanced signaling in a multi-drop configuration.

It uses multi-conductor cabling and was designed for half duplex mode of operation.

It can support a maximum of 10 Devices (1) DTE & (10) DCE.

With a maximum baud rate of 100 kbit/s at 40 feet (12m) 1kbit/s at 4,000 feet (1,200m).

RS485:

A protocol developed from RS422 that can be used as a bus in multi-drop/ multipoint configurations.

It was designed for half duplex mode of operation.

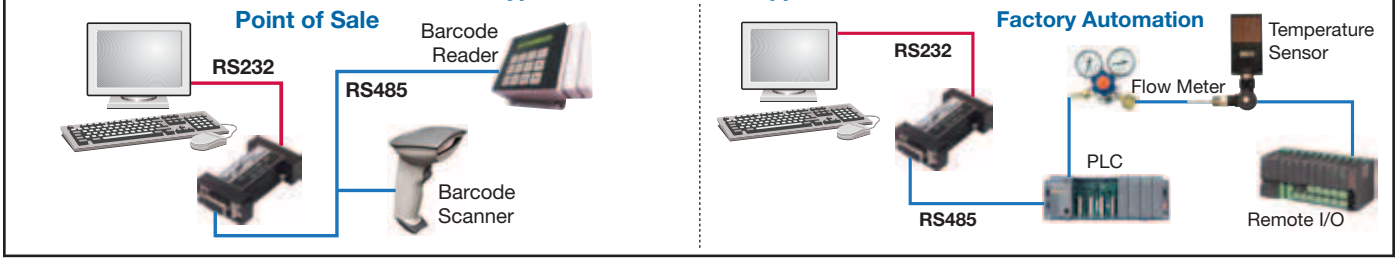
It uses Twisted Pair cabling and can support a maximum of 32 Devices.

With appropriate cabling it can be effectively used up to a theoretical distance of 4,000 feet (1,200m).

With a maximum baud rate of 35 Mbit/s at 40 feet (12m) & 100 kbit/s at 4,000 feet (1,200m).

For more useful information go to....
L-com.com/Resources

Typical Serial Converter Applications



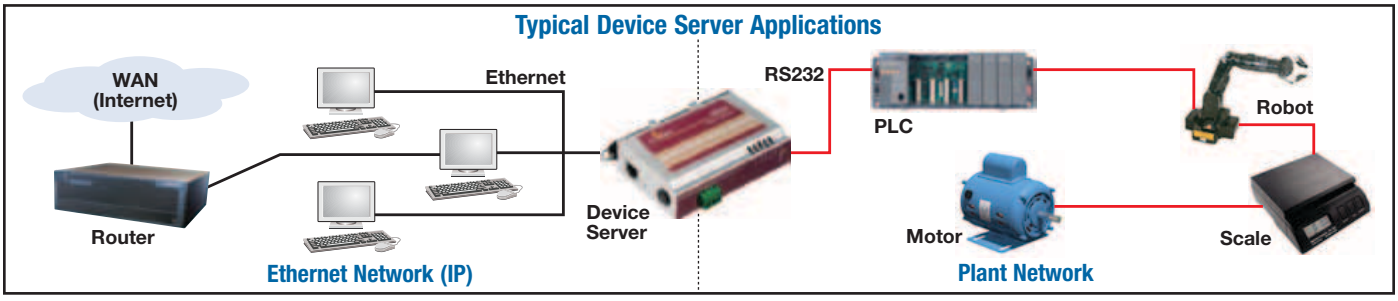
What is a Device Server?

A Device Server, sometimes referred to as a Serial Server, is used to connect a serial network or device such as RS232 to an Ethernet Network that uses the IP (Internet Protocol) data transmission.

How is a Device Server used?

A Device Server has one or more serial ports and typically one RJ45 Ethernet port. After connecting the serial devices to the server, then connecting the server to the Ethernet Network, some set up is required to configure the communication between the two networks via a management application built into the Device Server.

Typical Device Server Applications



L-com Global Connectivity

Free technical support
Call toll free at 1-800-343-1455
if you have questions about your application

Item #	Description	List Price

L-com's SC-232 Series of RS232 to RS485 Interface Converters DB9M/DB9F

L-com's SC-232 series of RS232 to RS485 & 485/422 converters provide an array of configuration options to meet your specific application requirements. Datasheets with additional specification details can be found on our website.

SC-232-A	L-com SC-232 Series RS232 to RS485 Interface Converter, DB9M/ DB9F, Half Duplex, Port Powered	59.00
SC-232-B	L-com SC-232 Series RS232 to RS485 Interface Converter, DB9M/ DB9F, Half Duplex, Externally Powered	69.00
SC-232-C	L-com SC-232 Series RS232 to RS485/422 Interface Converter, DB9M/ DB9F, Half/Full Duplex, Port Powered	59.00
SC-232-D	L-com SC-232 Series RS232 to RS485/422 Interface Converter, DB9M/ DB9F, Half/Full Duplex, Externally Powered, Opto-Isolated	69.00
SC-232-E	L-com SC-232 Series RS232 to RS485/422 Interface Converter, DB9M/ DB9F, Half/Full Duplex, Port Powered, Opto-Isolated	68.00

5V DC Power Supply for SC-232 L-com's Series Interface Converters

SC-5VDC-PWR	5VDC Power Supply for SC-232 Series Interface Converters	5.48

Economy RS232 to Current Loop Converter with 4-Pin Terminal Block

The ICC47B-014 RS232 to current loop serial converter provides users with an economical and compact way to extend RS232 signals using standard twisted pair cabling. The ICC47B-014 features a DB25F input connector and a 4-pin terminal block for the current loop side. The ICC47B-014 supports data rates up to 128Kbps and distances up to 1,000 meters. The unit includes a 9 VDC external power supply and a one year manufacturer's warranty.

ICC47B-014	Economy RS232 to V.24 Interface Converter with 4-Pin Terminal Block	32.95

Telebyte RS232 to RS422 Serial Converter - Self-powered DB9 Connector

Adding an RS422 interface to a PC is now a snap. The TB253P serial converter does this for full duplex signals at data rates up to 19.2 KBPS, without AC or DC power. The unit features a DB9F connector, (allowing it to be plugged directly into any one of the PCs com ports) and an RJ11 (6x4) jack.

TB253P	Telebyte RS232 to 422 Serial Converter, DB9F, Self-powered	69.95

Telebyte RS232 to Current Loop Converter

The TB65A is a small, versatile, RS232 to current loop converter for use with teletypes or computers providing local terminal input via a 20mA (or 60mA) current loop. The TB65A includes a wall-mounted transformer and internal power supply circuitry. Additionally the TB65A provides switch selection of all RS232 operating modes including: Half Duplex - Passive Loop, Half Duplex - Active Loop, Full Duplex - Passive Loop, and Full Duplex - Active Loop. This product will drive 20mA and accept 20mA or 60mA loop currents and operates from DC to 9.6 KBPS.

TB65A	Telebyte RS232 to Current Loop Converter (Includes Power Supply)	115.00

Telebyte RS232 Fiber Optic Line Drivers

The TB271 series of RS232 fiber optic line drivers provides maximum protection from ground currents and noise interference between equipment as well as increases operating distances to up to 2km. Three versions are available, supporting RS232 serial interfaces. The TB271 series achieves power from the transmit data line, whereas, the TB271A series has an external power supply (included). DB25M and DB25F versions available. Fiber optic connection utilizes dual ST connectors and duplex 62.5/125 multimode cabling.

TB271M	Telebyte RS232 Fiber Line Driver, DB25M, Self Powered	139.00
TB271F	Telebyte RS232 Fiber Line Driver, DB25F, Self Powered	132.95
TB271AF	Telebyte RS232 Fiber Line Driver, DB25F, Externally Powered	139.00

Telebyte RS422 and 485 Fiber Optic Line Drivers

Similar to the TB271 series except designed for RS422 and RS485. Both units utilize DB25F and dual fiber ST ports. For use with duplex Multimode Fiber Optic cabling.

TB272F	Telebyte RS422 Fiber Line Driver, DB25F, Externally Powered	149.00
TB276F	Telebyte RS485 Fiber Line Driver, DB25F, Externally Powered	149.00

Telebyte RS232 Fiber Optic Line Driver - Auto Powered

The TB9271 RS232 fiber optic auto powered line driver features a standard DB9 Female interface and Dual ST style fiber connectors. It can be installed in applications requiring very high data transmission rates, offers resistance to Electromagnetic Interference (EMI) and isolation from lightning-induced current surges and ground loops. The unit employs an RS232 data interface, can achieve 56Kbps asynchronously and operates in either half- or full duplex modes over dual fibers up to 2km in length.

TB9271	Telebyte RS232 Fiber Optic Auto Powered Line Driver	139.00

Telebyte RS232, 422 or 485 Fiber Optic Modem - DIN Rail Mountable

The model TB8277 is a unique asynchronous fiber optic modem whose optical interface can operate in either point to point or ring (daisy chain) configurations and whose electrical interface can also operate in point to point or multi-drop configurations depending on the user selected interface. The electrical interface is switch selectable between RS232, RS422 and RS485. The TB8277 is supplied with a power cord for the DC input. An optional AC power adapter is available for installations where 12 VDC is not accessible.

TB8277	Telebyte DIN Rail Fiber Optic Media	229.00
TB8277-110PSU	Telebyte Optional 110 VAC Power Supply	13.95

Telebyte Single mode to Multimode Fiber Converter

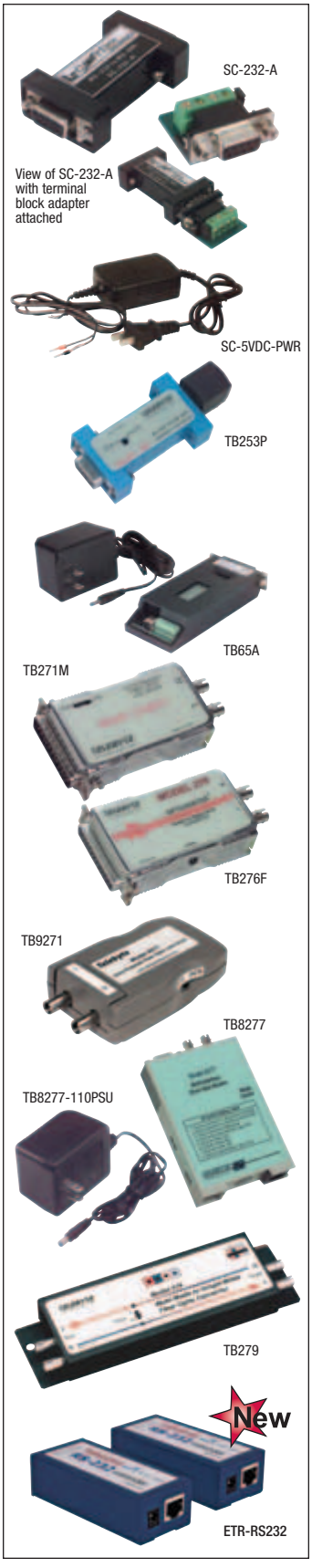
The TB279 provides transparent conversion between fiber optic devices utilizing multimode fiber and those with single mode fiber. Features of the TB279 include the ability to operate from DC to 2.5 Mbps. This allows a variety of applications to take advantage of the transmission capability of the device and fiber cable. The TB279 is powered by a wall-mounted 12 VDC adapter.

TB279	Telebyte Single mode to Multimode Converter	699.00

B&B Electronics RS232 Cat5 Extender - Extend your RS232 Signal up to 1,000m (3,300ft)

Extend RS232 serial communications up to 1000M/3300ft at speeds up to 230kbps. The RS232 serial communications is extended over Cat5 cabling between the transceiver/receiver pair. The Industrial ETR-RS232 allows serial peripherals to be located remotely from the PC or laptop. Units are housed in a ruggedized metal enclosure and feature over voltage protection and surge suppression on the communication lines for Industrial applications.

ETR-RS232	B&B Electronics RS232 Cat5 Extender (Local Unit, Remote Unit)	189.00



Helpful videos
How-to videos help with some of today's popular product applications. L-com.com/Tips

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FIB1-SERIAL-2


CVTR-I-7561


CVTR-I-7530


SST-2450


SE5101-00B


ESP102

PPN-12VDC-PWR


ES4-232

Item #	Description	List Price

RS232/423/485/422 Copper to Fiber Line Drivers

The FIB1-SERIAL series of copper to fiber RS232/423/485/422 stand alone converters allow you to extend the distance of your copper RSXXX ports up to 30 kilometers (single mode version). These robust converters feature support for RS485/422 (2 or 4 wire) operation as well as RS232 and RS423 data transmission. Other single mode versions are available which support distances up to 120 kilometers. Call today for details.

FIB1-SERIAL-2	RS232/423/485/422 to Multimode ST, 2km	210.00
FIB1-SERIAL-15	RS232/423/485/422 to Single mode ST, 15km	229.00
FIB1-SERIAL-30	RS232/423/485/422 to Single mode ST, 30km	249.00

ICP DAS USB to RS232/422/485 Converter

The CVTR-I-7561 is a rugged yet cost-effective module that is used for transferring serial data over USB. This converter allows you to connect your serial devices to systems using a USB interface such as a PC. The CVTR-I-7561 contains a Self Tuner chip, which auto-tunes the baud rate and data format to the RS485 network. CVTR-I-7561 module derives its power from the USB port and does not require an external power supply. This versatile converter also features a high-speed 115.2 Kb/s transmission rate, and supports a multitude of O.S. independent RS232/422/485 Ports. **As an authorized ICP DAS reseller, we can bid on RFQs for any ICP DAS part numbers. Contact us to request a non-obligatory quote!**

CVTR-I-7561	ICP DAS USB to RS232/422/485 Converter	125.00

ICP DAS RS232 to RS485 Protocol Converter

The CVTR-I-7520 seamlessly converts the RS232 protocol to RS485 all in one rugged, economical package. Features include auto switching baud rate of 300~115,200 BPS and a Self Tuner chip, which auto-tunes the baud rate and data format to the RS485 network. This converter also supports 256 modules max. in one RS485 network without repeater and 2,048 modules max. in one RS485 network with a repeater. Power supply sold separately. **As an authorized ICP DAS reseller, we can bid on RFQs for any ICP DAS part numbers. Contact us to request a non-obligatory quote!**

CVTR-I-7520	ICP DAS RS232 to RS485 Protocol Converter	85.00

ICP DAS RS232 to CAN Protocol Converter

The CVTR-I-7530 offers an economical yet rugged solution for converting RS232 to CAN protocol. Features include maximum transmission speeds up to 1Mbps for CAN and 115.2Kbps for RS232 as well as support for both CAN 2.0A and CAN 2.0B standards. This converter can be easily mounted on a DIN rail and features DB9 connectors. Power supply sold separately. **As an authorized ICP DAS reseller, we can bid on RFQs for any ICP DAS part numbers. Contact us to request a non-obligatory quote!**

CVTR-I-7530	ICP DAS RS232 to CAN Protocol Converter	295.00

ICP DAS USA RS232/RS485 Wireless Modem

The ICP DAS USA SST-2450 is a spread spectrum radio modem with an RS232/RS485 interface port. It is designed for data acquisition and control applications between host and remote sensors. The SST-2450 is also useful for those applications where hard wiring equipment is hard or impossible The SST-2450 can be used not only in peer to peer mode but also in a multi-point architecture. Based on direct sequence spread spectrum and RF technology operating in ISM bands, frequency Range is 2410.496MHz~2471.936MHz and the Channel Spacing is 4.096MHz. The SST-2450 is configured via a software utility included with the product. Antenna options are available for extended range applications. **As an authorized ICP DAS reseller, we can bid on RFQs for any ICP DAS part numbers. Contact us to request a non-obligatory quote!**

SST-2450	ICP DAS USA RS232/RS485 Wireless Modem	569.00

EtherWAN Single Port Device Servers

EtherWAN offers both Industrial and Hardened versions of its popular single port RS232/422/485 to Ethernet Device Servers for converting legacy RS232/422/485 to Ethernet. The SE5101-00B Equipped with 2KV optical isolation protection and 15KV ESD surge protection of serial interfaces and can be used in temperatures ranges from -10°C to 60°C (14°F to 140°F). The SE6101-00B is designed for harsh environments and operates within temperature ranges of -34°C to 75°C (-29.2°F to 167°F). **As an authorized EtherWan reseller, we can bid on RFQs for any EtherWan part numbers. Contact us to request a non-obligatory quote!**

SE5101-00B	EtherWAN Device Server 1 -10/100TX to 1 -RS232/422/485 (-10 to +60C)	159.00
SE6101-00B	EtherWAN Device Server 1 -10/100TX to 1 -RS232/422/485 (-34 to +75C)	329.00

Passport Networks ESport RS232/422/485 to Ethernet Device Servers

The ESport-10x Ethernet device servers connect RS232, 422, 485 serial devices to a 10/100 Ethernet LAN/WAN providing a reliable communications connection. The ESport-10x Windows driver installs virtual COM ports in the Device Manager of the operating system. The ESP101 features one RS232/422/485 DB9M port and one RJ45 10/100Ethernet port. The ESP102 features a single RJ45 10/100 Ethernet port and two DB9M ports, one port supports RS232/422 and 485 and the other only supports RS232. The ESP104 ships with its own external power supply (do not use the ESP-PWR power supply with the ESP104). These products can be powered by an external DC power supply or by an optional 9 VDC power adapter. An optional DIN Rail mounting kit is sold separately. Includes a 1-year manufacturer's warranty. **As an authorized Passport Networks reseller, we can bid on RFQs for any Passport Networks part numbers. Contact us to request a non-obligatory quote!**

ESP101	Passport Networks Single Port DB9 RS232/422/485 to RJ45 10/100 Device Server	125.00
ESP102	Passport Networks Dual Port DB9 RS232/422/485 to RJ45 10/100 Device Server	169.00
ESP104	Passport Networks Four Port DB9 RS232/422/485 to RJ45 10/100 Device Server	359.00
ESP-PWR	9 VDC 500mA Power Adapter	10.00
PPN-12VDC-PWR	12 VDC DIN Rail Power Supply	59.99
DK-35A	DIN Rail Mounting Kit (35 mm)	5.00

LAVA Ethernet-to-Serial 4 Port Device Server

The ES4-232 is ideal for POS systems, security systems, industrial automation, building automation, or any application using RS232 devices. The Lava ES4-232, four-port RS232 device server, provides four serial ports that are network-enabled, simple to install, configure, and control. Any serial device can send its information to the ES4-232, which then places that information on the Ethernet network. The serial ports support 115.2 kbps throughput rates each. Additionally, each ES4-232 Includes Lava Ether Link Manager software that makes this the easiest device in its category to install and use. By utilizing the ES4-232 one PC is capable of managing hundreds of serial ports, even remotely. **As an authorized LAVA reseller, we can bid on RFQs for any LAVA part numbers. Contact us to request a non-obligatory quote!**

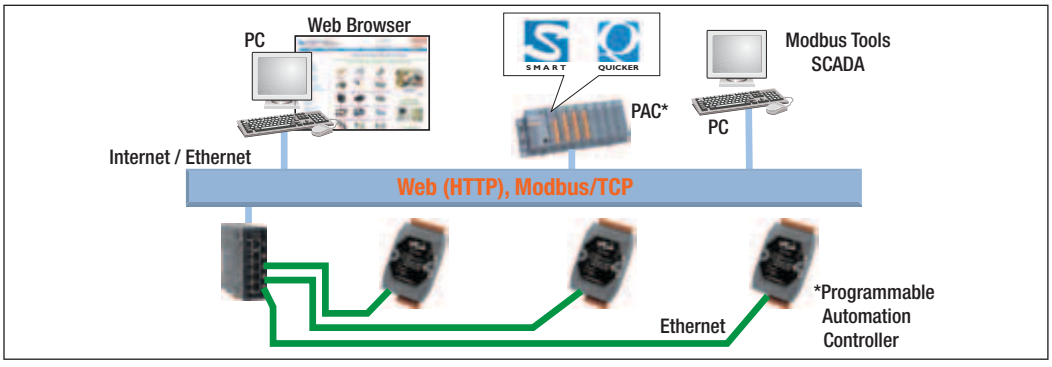
ES4-232	LAVA Ethernet-to-Serial 4 Port Device Server	269.00

Item #	Description	List Price

ICP DAS Remote Ethernet I/O Modules

The ICP DAS ET-7000 are remote web-based Ethernet I/O modules that feature a built-in web server. It allows configuration, I/O monitoring and I/O control through a regular web browser. Remote control is as easy as surfing the Internet. No more programming or HTML skills are needed; users can create dynamic and attractive web pages for I/O monitoring and I/O control. They support Modbus/TCP protocol for seamless integration to SCADA software. The ET-7000 series offers easy and safe access for users anytime and anywhere. **As an authorized ICP DAS reseller, we can bid on RFQs for any ICP DAS part numbers. Contact us to request a non-obligatory quote!**

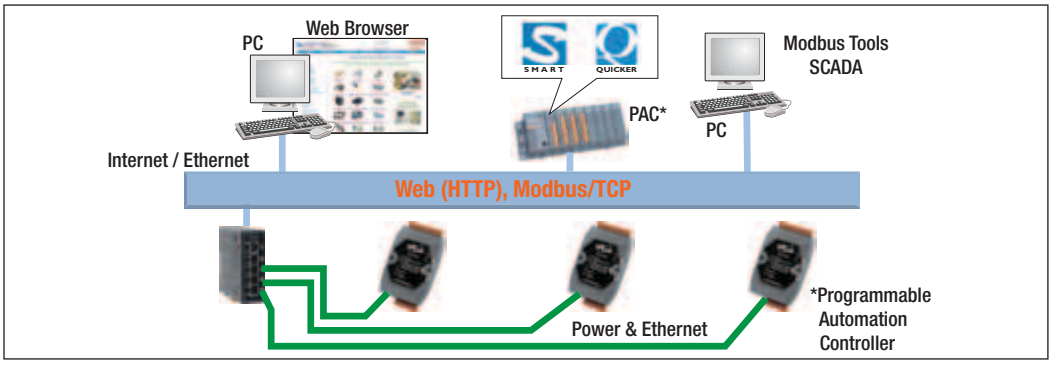
ICP-ET-7017	ICP DAS 8-Channel Analog Input with High Voltage Protection and 4-Channel Isolated Output Module	314.98
ICP-ET-7026	ICP DAS 6-Channel Analog Input, 2 Ch Analog Output, 2 Ch Digital Input and 2 Ch Digital Output Ethernet I/O Module	454.98
ICP-ET-7067	ICP DAS 8-Channel Power Relay Output Module	257.98



ICP DAS Power over Ethernet I/O Modules

The PET-7000 series is a family of Internet / Ethernet data acquisition and control modules that support Modbus TCP protocols. They are Ethernet remote I/O with a built-in web server for configuration, I/O data monitoring and control via a regular web browser. **As an authorized ICP DAS reseller, we can bid on RFQs for any ICP DAS part numbers. Contact us to request a non-obligatory quote!**

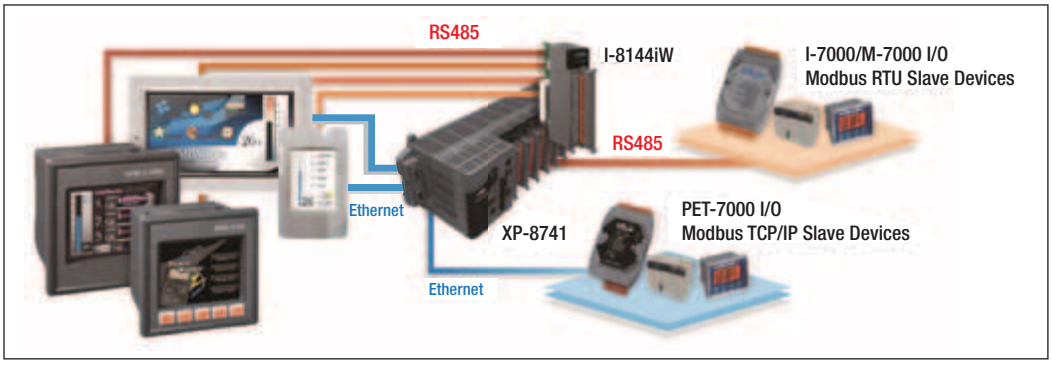
ICP-PET-7005	ICP DAS 8-Channel Thermistor Input and 4-Channel Isolated Digital Output PoE Module	469.98
ICP-PET-7017-10	ICP DAS 10/20-Channel Analog Input Module with High Voltage Protection PoE Module	424.98
ICP-PET-7018Z	ICP DAS 10-Channel Thermocouple Input With High Voltage Protection and 6-Channel Isolated Digital Output PoE Module	537.98



ICP DAS TouchPad Controller

TouchPAD is a tiny touch screen controller HMI which is designed for building and home automation. TPD-28X-W is equipped with a high resolution TFT color touch screen and fits in regular electrical wall-mount outlets. It can be easily integrated with I/O modules and has a beautiful, flexible and user-defined picture display. It is the best choice for upgrading mechanical switches to intelligent control pads. TouchPad comes with Ladder Designer Software For PLC users and a C/C++ language development environment for C/C++ Programmers. You can quickly and easily develop your programs with the development tools provided. **As an authorized ICP DAS reseller, we can bid on RFQs for any ICP DAS part numbers. Contact us to request a non-obligatory quote!**

ICP-TPD-280	ICP DAS Compact 2.8" Touch Screen PLC Controller with High Resolution TFT Color Touch Screen (RS485)	184.98
ICP-TPD-283	ICP DAS Compact 2.8" Touch Screen PLC Controller with High Resolution TFT Color Touch Screen (PoE)	184.98
ICP-TPD-430	ICP DAS 4.3" Touch Screen PLC Controller with High Resolution TFT Color Touch Screen (RS485)	407.98





ICP-ET-7017



ICP-ET-7026



ICP-ET-7067



ICP-PET-7005



ICP-PET-7018Z



ICP-TPD-280

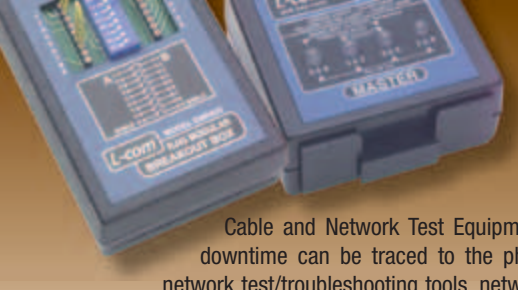


ICP-TPD-430

Same day shipping
Orders placed before 4:00 EST
ship the same day.

L-com Global Connectivity

Test Equipment Tutorial



Cable and Network Test Equipment is vital to the uptime of any datacom system. Reports have shown that up to 70% of network downtime can be traced to the physical layer or a cable. By implementing basic go-no-go cable testers as well as more advanced network test/troubleshooting tools, network downtime can be greatly reduced. L-com offers testers for coax, Cat5e (or better), fiber optic, and RJ11/12 cabling. Additionally we offer environmental testers to measure light, sound and temperature.

Network Cable Testing Terms

NEXT: Near End Cross Talk. A signal that crosses between twisted pairs or between conductors. NEXT is measured at the transmission end (near end). Measured in dB, failures for this measurement are often caused by termination problems.

FEXT: Far End Cross Talk. Crosstalk that is measured on the conductors that are not being used for transmission at the receiver or far end of the transmission. Measured in dB, failures for this measurement are often caused by termination problems.

Propagation Delay Skew: Used to define the difference in signal speed between the fastest and slowest pair within a cable. It can also define the delay within an individual pair. Must be <45ns for a 4-pair horizontal cable.

Impedance: Measure of the total opposition a circuit offers to the flow of alternating current. Target impedance for UTP and STP cable is 100 Ohms. This can be affected by the twist of the conductors along with the thickness of the insulation around the conductors. Return loss failures are often caused by cable impedance problems.

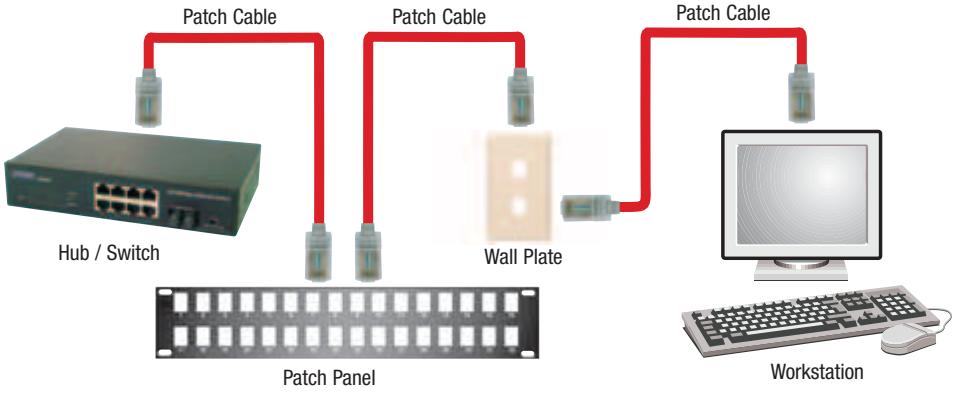
Return Loss: The ratio of reflected power to inserted power. It is the measure of the signal reflections occurring along a network cable system. It is often caused by imperfections in the cable conductors, impedance mismatches or bad contacts in a plug or jack.

Network Channel Testing

Network Channel Testing is a method used to verify performance from the workstation to the hub/switch including patch cords. Channel Testing is not accurate for individual patch cords. Both installers and IT professionals conduct this type of testing to insure that the entire cable system is capable of handling network traffic. Channel Testing differs from Permanent Link Testing in that it includes the patch cords on both ends of the installation. Often, patch cords are overlooked as the cause of network failures.

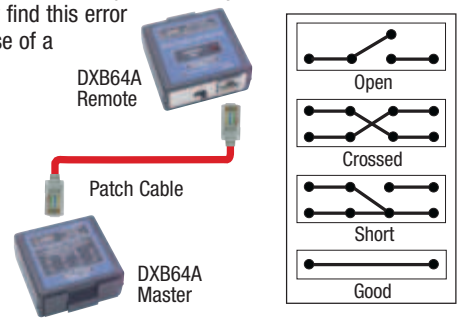
Permanent Link Testing

Permanent Link Testing is the preferred method used by installers to certify a cable installation at a customer site. This type of testing verifies the installation by measuring many factors such as cable lengths, NEXT, FEXT and Return Loss. Several certification testers exist on the market including Fluke Networks DTX-1800 Series products. This type of tester features a Permanent Link adapter that connects from a workstation outlet to the telecom closet outlet.



Continuity Testing

Continuity Testing is the most basic form of testing conducted on cables. These types of testers look for opens, shorts or crossed connections. For Ethernet, this type of testing does not confirm network transmission capability. The most common mistake in cable pin-out is an EIA568 A to B cross. A simple continuity tester such as L-com's DXB64A can easily find this error without the expense of a certification tester.



Wire Mapping / LAN & Cable Testing

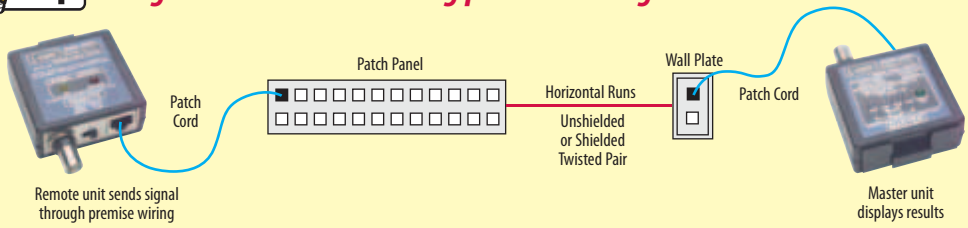
If you require more than just a standard continuity test you might consider a Wire Mapping tester like the AEMC-CA7028. With a tester like this you would get a more detailed report of how your cable is wired/paired. All faults and setting info is displayed textually as well as graphically. But beyond that with TDR technology it can determine if the fault lies at the near end or remote end of the cable or if it is somewhere in between. It can even indicate the distance to the fault as well as determine the length of the cable or cable run being tested.



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For more useful information go to....
L-com.com/Resources

Tip Using the DXB66 for checking premise wiring



Item #	Description	Code	List Price

L-com DXB66 UTP, FTP and Coaxial Professional Test Set for LAN Cabling and Premise Wiring

L-com's DXB66 Remote Cable Tester provides accurate testing of premise cabling and patch cords used in local area networks. The unit verifies pairing following the EIA/TIA568 standard. It also tests shield continuity of shielded RJ45 connectors which is required in European building installations and areas where noise is prevalent. BNC equipped, coaxial cabling such as Ethernet 10Base-2 can also be tested.

- Sequencing LEDs verify continuity of 4 pair UTP/FTP cabling following EIA/TIA568 A or B pair designations (Ethernet 10Base-T, Token Ring and TP-PMD are all accounted for within the EIA568 code)
- Tests for presence of shield in Foil Twisted Pair (FTP) or Token Ring - Shielded Twisted Pair (STP) cabling
- Internal circuitry is fully protected against live cable damage
- BNC coax test checks Ethernet 10Base-2 busses and patch cords (adapters are available for testing other coaxial terminations)
- Dual colored LEDs identify shorted, open, or reversed pairs
- Remote and master units separate for premise wire tests and reattach for patch cord checking
- Convenient size with exclusive slide lock mechanism allows effortless patch cord and premise cable testing
- Easy to operate with all instructions listed on the faceplate
- Adapters available for testing Token Ring cabling utilizing Type A or B, DB9, or RJ45 connectors
- Runs on one 9V alkaline battery (included)
- Includes belt mountable soft leatherette case, 2 screened patch cords and informative instruction booklet

DXB66	L-com UTP, FTP and Coaxial Professional Test Set	A, C, D, E, F	24.98
DXB66-CC	L-com Additional DXB66 Carrying Case with Beltstrap		6.98

Specifications:

Display	5 LEDs Master
	2 LEDs Remote
Power	9V Alkaline battery
Current drain (on)	25 mA
Normal power consumption	225 mW
Maximum power consumption	630 mW
Minimum battery operation voltage	6.0Vdc
Maximum cable length (4pr.)	tested to 1000 ft
Over voltage protection level (max)	30 V dc
Allowable maximum current @ inputs	0.3 A dc
Continuous withstand overvoltage rating	20.0 V dc @ 0.1 A
	for 5 seconds
Master & Remote dimensions connected	6.0 in x 2.3 in x 1.0 in
	(1.5 cm x 5.8 cm x 2.5 cm)
Master and Remote weight	6.0 oz.

L-com DXB64A Triple Function Cable Tester - 10Base-T, Token Ring (RJ45) and EIA568

This easy-to-use sequential scan cable tester provides instant testing and identification of today's most popular UTP cabling schemes. Four, two-color LEDs verify continuity of up to four pairs while instantly detecting opens, shorts and miswires. Specially designed slide attachment allows tester's master and remote sections to be separated when checking installed wiring. Blinking light identifies power on and low battery. Small and light enough to fit neatly in a briefcase, toolbox or pocket. Equipped with 9V alkaline battery and protective leatherette case.

- Equipped with RJ45 jacks
- Tests 4 pair UTP cabling following EIA/TIA568A or B standards
- Master and remote units split apart for premise runs, then reattach for bench testing
- 4 dual polarity LEDs sequence from left to right identifying shorts, opens and miswires
- Supplied with one 9V Energizer alkaline battery and carrying case

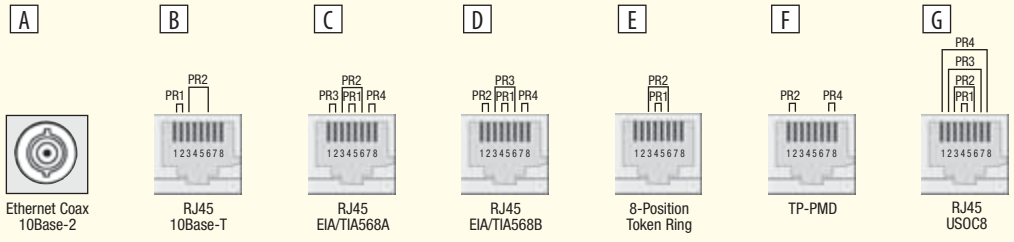
DXB64A	L-com EIA568 (RJ45) Remote Cable Tester	B, C, D, E, F	14.98
DXBCC	L-com Carrying Case for DX Testers		3.99

L-com DXR45S Shielded RJ45 Breakout Box - Exclusively Designed and Manufactured by L-com

L-com's DXR45S breakout box is intended for modifying the wiring in modular cords terminated by RJ45 plugs. The unit incorporates two high grade shielded RJ45 jacks, a nine position dip switch and dual nine position headers. Jumper wires are included in the rear compartment. This unit does not utilize a battery, its intention is for modifying modular cable wiring only.

DXR45S	L-com Shielded RJ45 Breakout Box	G	19.95

Code shows tester ability to check:



Check premise wiring

Online Video
L-com.com/Videos/A07











Customer Testimonials
Read why others choose L-com.
L-com.com/Testimonials


PTNX1

PTNX2


PTNX2-CABLE


PTNX8-CT


MULTI-TEST


UMATS


EC-LMTJ


New

AEMC-CA811


New

AEMC-CA832


New

AEMC-CA879

Item #	Description	List Price

Fluke Pocket Toner® NX1

Test for continuity and short circuits on coaxial cables in one easy step. Basic professional coaxial testing does not get any more compact and simple as PTNX1. The PTNX1 version features lightweight aluminum construction, a standard AAA battery, and new dual buzzers that audibly indicate continuity at both ends of the test cable. Like all Pocket Toner® NX test tools, the PTNX1 is 100% low voltage protected so connecting it to live low voltage systems will not damage the tool. **As an authorized Fluke reseller, we can bid on RFQs for any Fluke part numbers. Contact us to request a non-obligatory quote!**

PTNX1	Fluke Pocket Toner NX1	33.00

Fluke Pocket Toner® NX2

The individual PTNX2 is for the technician that works primarily with coaxial cable that wants a powerful but super-compact tool to fit in his or her pocket. In addition to testing for continuity and short circuits PTNX2 is packed with advanced features like indication of AC or DC voltage, 50-75 Ohm terminators and auto shut-off to conserve battery life. PTNX2 instantly displays all test results on an easy to read 8-segment LED display as well as giving audible feedback at both ends of the test cable. Like all Pocket Toner® NX test tools, the NX2 is 100% low voltage protected so connecting it to live low voltage systems will not damage the tool. **As an authorized Fluke reseller, we can bid on RFQs for any Fluke part numbers. Contact us to request a non-obligatory quote!**

PTNX2	Fluke Pocket Toner NX2	43.00

Fluke Pocket Toner® Cable Test Kits

Fluke PTNX series coax toners are unquestionably the ideal primary devices for testing the installation of coax cable. Test for continuity and short circuits on coaxial cables in one easy step. Basic professional coaxial testing does not get any more compact and simple as Fluke PTNX series. Fluke offers a wide variety of test kits to choose from. For detailed information on each kit, please refer to L-com.com. **As an authorized Fluke reseller, we can bid on RFQs for any Fluke part numbers. Contact us to request a non-obligatory quote!**

PTNX2-CABLE	Fluke PTNX2 Cable Test Kit	55.00
PTNX2-DLX	Fluke PTNX2 Deluxe Test Kit	93.00
PTNX8-CABLE	Fluke PTNX8 Cable Test Kit	89.00
PTNX8-CT	Fluke Cable and Telephone Test Kit	103.00
PTNX8-DLX	Fluke PTNX8 Deluxe Test Kit	123.00
PTNX8-VV-PRO	Fluke Voice/Video Test Kit	143.00

PC Cable Tester Pro ATA

This flexible cable tester will identify opens, shorts, miswiring and continuity on almost all popular PC cable types. The PC cable tester Pro ATA can test the following cable types; DB25 (M/F), DB9 (M/F), HDB15 (M/F), DB15 (M/F), BNC (F), RJ45, Centronics 36 (F), USB (A and B), ATA and Firewire. This tester is a must for installers and IT professionals in any industry.

MULTI-TEST	PC Cable Tester Pro ATA	139.00

V.35 Universal Modify and Test Set

The Universal Modify And Test Set (UMATS) is the ultimate tool for the data communication specialist or engineer's tool bag. The UMATS can be battery or line powered and supports most current WAN communication interface standards. More than just a breakout box, a bank of level shifters allows converting between any pair of interfaces: V.35 can be converted to RS232, RS422 to RS232, or RS530 to V.35, etc. Each level shifter is also connected to a tri-state LED to allow convenient monitoring of signals levels.

UMATS	V.35 Universal Modify and Test Set	599.00

Inline Tester, RJ12 (6x6) M-F with Test LEDs and Contact Points

Use with 2 or 3 pair, RJ11/12 lines. Copper contacts have an angled edge to prevent alligator clips from falling off. Wire color coded for easy identification. Three 2-color LEDs identify activity. Complete with modular jack on the end.

EC-LMTJ	Test Adapter, 3 Pair Modular	9.95

Environmental Testers

AEMC CA811 Lightmeter (20fc, 200fc, 2kfc, 20kfc) (20lux, 200lux, 2klux, 20klux)

The Model CA811 Lightmeter is a portable, easy-to-use instrument which features optical sensors that are designed to match the response of the human eye, making them ideal instruments for workspace analysis and planning. The ergonomically designed case, large display and intuitive function selection make this instrument the right choice for any application. The Lightmeter Model CA811 is designed for simple one-hand operation. It provides selectable lux or foot candle units for display and features a 3-1/2 digit backlit LCD and HOLD function. The Model CA811 offers a MAX function. One 9V Alkaline battery is included. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote!**

AEMC-CA811	AEMC Model CA811 Lightmeter (20fc, 200fc,2kfc, 20kfc) (20lux, 200lux,2klux, 20klux)	119.00

AEMC CA832 Sound Level Meter (35db to 80dB) (50db to 100dB) (80db to 130dB)

The Model CA832 Sound Level Meter is designed to assess sound ambiences or nuisances in accordance with international safety and quality standards. It complies with standard IEC 651. It is a portable, compact instrument with a 2000-count backlit LCD. It is designed for simple, one-hand operation and may be fitted on a tripod for long duration measurements. It features two weighting curves A and C for measurement integrating the sensitivity of the human ear according to sound frequency. Curve A is the general-purpose curve in an industrial environment, and C is more suited in presence of low frequency sounds. Also, mode "F" (fast response time) corresponds to the response time of the ear. Mode "S" (slow response time) will be used to obtain a uniform reading when the sound signal level shows fluctuations. One 9V Alkaline battery is included. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote!**

AEMC-CA832	AEMC Model CA832 Sound Level Meter (35db to 80dB), (50db to 100dB), (80db to 130dB)	199.00

AEMC CA832 Infrared Thermometer (-58ºF to +1,022ºF) (-50ºC to +550ºC)

The Model CA879 Infrared Thermometer is a non-contact temperature measuring instrument. It provides precision measurement with its laser target feature. To measure the temperature of an object, simply point the gun at the surface of the object and the temperature will appear on the digital display. The thermometer has an automatic shut-off feature. Shut-off will occur approximately 10 seconds after the trigger is released. One 9V Alkaline battery is included. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote!**

AEMC-CA879	AEMC Model CA879 Infrared Thermometer (-58ºF to +1,022ºF) (-50ºC to +550ºC)	199.00

L-com® Global Connectivity

Tips
Easy-to-understand tips to help with some of today's popular product applications. L-com.com/Tips

Item #	Description	List Price

AEMC CA7024 TDR Fault Mapper

The model CA7024 Fault Mapper is a hand-held, alpha-numeric, TDR (Time Domain Reflectometer) Cable Length Meter and Fault Locator, designed to measure the length of electrical and communication cables. It can indicate the distance to a fault in the cable (open or short), given access to only one end of a two or more conductor cable. By incorporating fast-edge step TDR technology, the CA7024 measures cable length and indicates the distance to open or short circuit faults to a range of 6000ft (2000m), on virtually any type of cable. The CA7024 indicates the cable length or fault distance and description alpha-numerically on a 128 x 64 graphical LCD. Includes soft carrying case, BNC pigtail cable with alligator clips, four 1.5V AA batteries and user manual. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote!**

AEMC-CA7024	AEMC Model CA7024 TDR Fault Mapper	495.00

AEMC CA7027 Fault Mapper Pro® Telephone Cable Tester/Graphical TDR

The model CA7027 Fault Mapper Pro® Model CA7027 is a hand-held graphical TDR (Time Domain Reflectometer) designed for identifying and locating faults on power and communication cables, given access to one end only. The Fault Mapper Pro® measures cable length and indicates the length and distance to cable faults to a range of 9ft (3 m) to 19,000ft (6000m) on virtually any type of cable. It injects a series of pulses into the cable under test. The velocity at which the pulses travel is determined by the type of cable, which is known as the Velocity of Propagation (Vp) of the cable. The Velocity of Propagation (Vp) is adjustable between 1% and 99% enabling accurate calibration to the cable under test. The Vp value is expressed as a percentage of the speed of light (e.g. 67% or ft/mtrs/micro-second), this value will vary according to the type of cable under test. The Fault Mapper Pro® can accept user selectable values between 1 and 99% (or the equivalent value in feet or meters per micro-second). Based on the selected Vp and the time taken for the pulses to travel through the cable, a reflection profile of the cable under test is displayed. An adjustable cursor assists in locating faults and termination. The Fault Mapper Pro® incorporates an oscillating tone tracer, which is detectable with a standard tone tracer, for use in the tracing and identification of cable pairs. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote!**

AEMC-CA7027	AEMC Model CA7027 Fault Mapper Pro (Telephone Cable Tester/Graphical TDR)	995.00

AEMC CA7028 Wire Mapper Pro LAN Cable Tester

The model CA7028 Wire Mapper Pro is a hand-held structured cable mapping and troubleshooting tester designed for use on UTP, STP, FTP and SSTP cabling equipped with RJ45 connectors and wired to either TIA568A/B (ISO 11801 and EN 50137), USOC or ISDN specifications. It detects open circuit pairs, shorts, crossed wires, crossed pairs, reversed pairs, split pairs and shield faults. The CA7028 has the ability to measure and indicate the length of the cable under test, using a Vp (Velocity of Propagation) set by the user, from a built-in library or manually. It will measure and report the length of all four pairs of wires in the cable under test. It also generates an audible tone that is transmitted into all four pairs on the cable under test. Includes soft carrying case, remote ID (#1), two patch cords, four 1.5V AA batteries and user manual. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote!**

AEMC-CA7028	AEMC Model CA7028 Wire Mapper Pro LAN Cable Tester	495.00

Tone Receiver/Cable Tracer Model TR03

The model TR03 Tone Receiver/Cable Tracer Model TR03 is a small, hand-held tracer that will aid in the identification of tone carrying wires without piercing their insulation. It has a self-contained amplifier and a rugged, moisture resistant speaker. When used in conjunction with the tone transmitter function of the Models CA7024, CA7026 or CA7028, wire tracing and locating is quick and efficient. One button turns the unit on and, while it is depressed, activates the receiver. A volume control allows you to set the speaker loudness to a desirable level. An audio output jack facilitates the use of an optional commercially available ear piece which inhibits the model TR03's internal speaker. This provides quiet operation in office environments while allowing the operator to hear the signal clearly. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote!**

AEMC-TR03	AEMC Model TR03 Tone Receiver / Cable Tracer	54.98

AEMC 5233 5000/6000-Count Digital Multimeters

The Model 5233 is a rugged, economical TRMS digital multimeter with a function for non-electrical contact testing (NCV) function for detecting live electrical circuits. This multimeter is designed for safety: IEC61010, 600V CAT IV. The Multimeter Model 5233 provides a Volt, Ohm, Continuity, Diode, Capacitance, Frequency, Duty Cycle and Ammeter function, as well as an AC voltmeter with low input impedance that is capable of finding ghost voltages by adding a burden to the circuit. It can measure up to 10 Amps directly and can measure temperature in both °C or °F using K-type thermocouples. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote!**

AEMC-5233	AEMC Model 5233 Digital Multimeter (TRMS, 6000-cts, V, A, AC/DC, CAP, Ohm, T, NCV)	99.00

AEMC 502 Clamp on Meter

The Model 502 Clamp-on Meter is a general-purpose professional clamp-on. A strong mechanical case design, quality materials, full ranges and compliance to international safety and quality standards ensure a professional and reliable tool. The Model 502 is a True RMS clamp-on which provides RMS measurements for measuring in non-linear electrical environments. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote!**

AEMC-502	AEMC Model 502 Clamp-on Meter (TRMS, 400Aac, 600V AC/DC, Ohms, Continuity)	119.00

AEMC AX502 DC Power Supplies/Generators

The Model AX502 offers dual 30V outputs. It provides the ability to display both voltage and current for each output. The Model AX502 offers a unique master/slave tracking arrangement whereby the ratio between the master and slave can be setup on the fly as needed during the test. Adjusting the master voltage causes the slave to track. Adjusting the slave voltage causes the ratio from master to slave to change accordingly. It offers a Coarse and Fine voltage adjustment as well as a current limiting adjustment. It is built to provide many years of reliable, precise, easy-to-use operation and will be a welcome addition to any lab, test bench or production line. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote!**

AEMC-AX502	AEMC Model AX502 DC Power Supply (Dual outputs, 0 to 2.5A; 0 to 30Vdc)	795.00

AEMC NC1 Non-Contact AC Voltage Detector

The Model NC1 offers a simple and safe way to detect the presence of live AC current on a line without the need to expose the wiring. For indoor use only. Includes 2 1.5v AAA Batteries. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote!**

AEMC-NC1	AEMC Model NC-1 Non-Contact AC voltage Detector (100 to 240V AC 50/60Hz)	9.95

AEMC OT2 AC Outlet & GFCI Tester

The Model OT-2 AC Outlet tester allows for a quick and easy way of safely confirming that your outlet is functioning and is wired correctly. It also tests GFCI for proper operation. For use on standard US three-wire 100 to 125V AC circuits. **As an authorized AEMC reseller, we can bid on RFQs for any AEMC part numbers. Contact us to request a non-obligatory quote!**

AEMC-OT2	AEMC Model OT2 Outlet/GFCI Tester (Three-wire 110V US)	7.95



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L-com.com/FAQS



FOM120 FOS420



FOS430



FTK51MM
FTK51SM



TBX51MM



FTK51POF



AF-DR515-C



AF-DI-1000

Item #	Description	List Price

Advanced Fiber Solutions Fiber Optic Power Meter for Multimode and Single mode Cabling

The FOM120 is a general-purpose power meter suitable for both premise and outside plant applications. This unit is ideal for measurement of optical power and optical loss/attenuations in a fiber optic network. The FOM120 meter is calibrated at the four most common industry standard wavelengths 850nm, 1300nm, 1310nm and 1550nm for both single mode and multimode transmitters. The 1mm Germanium detector offers a broad dynamic range of ~60dB which far exceeds the requirements of the majority of users.

FOM120	Advanced Fiber Solutions Fiber Optic Power Meter for Multimode and Single mode Cabling	425.00

Advanced Fiber Solutions Fiber Source for 850/1300nm Fiber Optic Cables

The FOS420 light source is for premises and campus cabling networks with multimode fiber, or single mode fibers under 5km. The ST connector outputs can be adapted to any cable plant with hybrid adapters or hybrid cables. The FOS420 becomes a powerful low cost troubleshooting and maintenance tool when used with an Advanced Fiber Solutions FOM120 power meter.

FOS420	Advanced Fiber Solutions Fiber Source for 850/1300nm Fiber Optic Cables	595.00

Advanced Fiber Solutions Fiber Source for 1310/1550nm Fiber Optic Cables

The FOS430 laser source is designed for testing single mode fiber cabling in premise or outside plant environments where long wavelengths are used. The single output allows the user to test at both 1310nm and 1550nm without disconnecting and reconnecting the cable. When used with an Advanced Fiber Solutions FOM120 or FOM220 the FOS430 is ideal for testing insertion loss for single mode fiber optic cables and connectors.

FOS430	Advanced Fiber Solutions Fiber Source for 1310/1550nm Fiber Optic Cables	1495.00

Advanced Fiber Solutions Multimode Fiber Optic Test Kit

The FTK51MM multimode fiber optic test kit allows users to quickly test multimode fiber cabling. The kit features a power meter and light source in a convenient carry case. The power meter supports 850/1300/1310/1550nm light sources and features a 2.5mm universal connector for both ST and SC connections (other connector styles available upon request). The kit's power meter is calibrated at the four most common industry standard wavelengths 850nm, 1300nm, 1310nm and 1550nm for both single mode and multimode transmitters. The 1mm Germanium detector offers a broad dynamic range of ~60dB which far exceeds the requirements of the majority of users.

FTK51MM	Advanced Fiber Solutions Multimode Fiber Optic Test Kit	995.00

Advanced Fiber Solutions Single mode Fiber Optic Test Kit

The FTK51SM single mode fiber optic test kit features a fiber optic power meter and light source to quickly and economically test 9/125 single mode fiber cabling. The power meter supports 850/1300/1310/1550nm light sources and features ST, SC, FC, 2.5mm Universal, LC and 1.25mm Universal connection options. The 2mm Germanium detector offers a broad dynamic range of ~60dB which far exceeds the requirements for most applications. The kit's power source supports both 1310nm and 1550nm laser sources for single mode cable testing. Includes a convenient carrying case.

FTK51SM	Advanced Fiber Solutions Single mode Fiber Optic Test Kit	1695.00

Advanced Fiber Solutions Fiber Optic Test Kit with Power Meter, Light Source and Tool Kit

The TBX51MM features the OS420 light source for use with premises and campus cabling networks that utilize multimode fiber, or single mode fibers under 5km. The ST connector outputs can be adapted to any cable plant with hybrid adapters or hybrid cables. The OS420 becomes a powerful low cost troubleshooting and maintenance tool when used with an Advanced Fiber Solutions OM120 (included with this kit) or OM220. Tool kit includes: safety glasses, sapphire scribe, armored tubing cutters, Kevlar scissors, needle nose pliers, rotary cable stripper, fiber optic stripper, buffer tube stripper, crimp tool, tweezers, polishing puck, polishing plate, continuity tester and a 100x microscope.

TBX51MM	Advanced Fiber Solutions Fiber Optic Test Kit w/Power Meter, Light Source and Tool Kit	1595.00

Advanced Fiber Solutions Plastic Optical Fiber (POF) Test Kit

The Advanced Fiber Solutions POF test kit is the perfect, portable solution for testing plastic and glass optical fiber cables. The FTK51POF includes the OM110 power meter, which is designed for POF (plastic optical fiber) and short wavelength applications (visible and near infrared). It optimizes a silicon detector suitable for large core fibers. It is the ideal tool for working with shorter wavelengths used with glass, plastic or multimode fibers. Additionally, the FTK51POF features the OS417-MD source which houses a 665nm LED in a modular adapter, which makes it adaptable to any connector style.

FTK51POF	Advanced Fiber Solutions Plastic Optical Fiber Test Kit	899.00

Advanced Fiber Solutions DR-500 Series Handheld OTDRs

The DR-500 series handheld full color display Optical Time Domain Reflectometer from Advanced Fiber Solutions is one of the most compact OTDRs on the market today and is ideal for handheld use and pocket transportation. The unit is light weight, weighing less than 1.6 lbs. and is extremely rugged with a thick protective rubber boot surrounding the outer case. It also offers a long battery life enabling the technician to continue testing up to ten hours. It is a full featured OTDR offering five different models to choice from, with a dynamic range starting at 26dB going up to 42dB. The DR500 series supports a wide range of cable plant applications ranging from local area networks to long haul applications. Along with industry leading dynamic range and dead zones, the unit offers a number of wavelength options for both single mode and multimode applications with dual, tri and quad models available. Wavelength options include 850nm, 1300nm, 1310nm, 1490nm, 1550nm and 1625nm.

AF-DR515-C	Advanced Fiber Solutions Multimode OTDR 850/1300nm DR (SNR=1) 26/28dB DZ 1M/5M	4450.00
AF-DR525-A	Advanced Fiber Solutions Single mode OTDR 1310/1550nm DR (SNR=1) 27/25dB DZ 2M/10M	3550.00
AF-DR525-C	Advanced Fiber Solutions Single mode OTDR 1310/1550nm DR (SNR=1) 37/34dB DZ 1M/5M	3995.00
AF-DR525-D	Advanced Fiber Solutions Single mode OTDR 1310/1550nm DR (SNR=1) 42/41dB DZ 1.5M/9M	7900.00
AF-DR527-C	Advanced Fiber Solutions Single mode Tri Wave OTDR 1310/1490/1550nm DR (SNR=1) 37/36/34dB DZ 1M/5M	5995.00
AF-DR529-C	Advanced Fiber Solutions Single mode Tri Wave OTDR 1310/1550/1625nm DR (SNR=1) 37/36/34dB DZ 1M/5M	5600.00
AF-DR529-D	Advanced Fiber Solutions Single mode Tri Wave OTDR 1310/1550/1625nm DR (SNR=1) 42/41/40dB DZ 1.5M/9M	7900.00
AF-DR535-C	Advanced Fiber Solutions Quad (Single mode / Multimode) OTDR 1310/1550/ /850/1300nm DR (SNR=1) 35/32/26/28dB DZ 1M/5M	6995.00
AF-DI-1000	Advanced Fiber Solutions DR500 Series USB 2.0 Fiber Scope (Includes tips for SC, FC & LC PC Polish connectors)	995.00

L-com® Global Connectivity

Customer Testimonials
Read why others choose L-com.
L-com.com/Testimonials

Item #	Description	List Price

Brady Portable Label Printers

The BMP™21 Portable Label Printer is an all-in-one labeler for voice/datacom, electrical and general industrial crews. With label materials designed specifically for harsh environments, the BMP™21 portable printer can quickly and easily create clear, legible labels that stay stuck for years - despite extreme temperatures and curved or highly textured surfaces. With more than 400 different label options, the new BMP71 Label Printer is Brady's most versatile portable printer. This easy to use labeler can help you cut material waste, save time, and create labels more efficiently than ever before. Make labels faster than ever before with built-in design wizards, high speed print, 1.5" (3.8cm) per second, and storage space for over 100,000 label files. **As an authorized Brady reseller, we can bid on RFQs for any Brady part numbers. Contact us to request a non-obligatory quote!**

BMP21	Brady BMP21 Portable Label Printer	139.00
BMP71	Brady BMP71 Portable Label Printer	895.00

Brady IDXPERT Handheld Labeling System

The IDXPERT is the first handheld cartridge based labeling system that can print die-cut labels, self-laminating labels and sleeves as well as continuous tapes. You name it IDXPERT prints it. Choose from two keyboard layouts, then select from a wide range of label materials engineered just for your application. That includes wire and cable markers, panel, rack and frame ID, facilities labels and specialty labels for labs and workspaces. The IDXPERT can be used with self-lams, sleeves and 90+ label styles including continuous tapes. Additionally, the IDXPERT can print on materials up to 1.5" (3.8cm) wide and prints characters up to 1.25" (3.2cm). It also provides 82 symbols plus bar codes. **As an authorized Brady reseller, we can bid on RFQs for any Brady part numbers. Contact us to request a non-obligatory quote!**

IDXPERT-ABC	Brady IDXPERT Handheld Labeling System (ABC Layout)	399.95
IDXPERT-KEY	Brady IDXPERT Handheld Labeling System (Keyboard Layout)	399.95

Brady TLS2200™ Premium Thermal Transfer Label Printer

The TLS2200 system offers the lightweight of a hand-held printer (2.75lbs), while providing the superior capabilities of thermal transfer printing. The Brady printer features a two-line liquid crystal display and produces smear proof, ultra clear print quality and faster output than most other printers on the market. Useful for printing barcodes as well as text and numbers with crystal clear accuracy on labels up to 2" (5.1cm) wide. This means you can now print labels for wire markers, patch panels, circuit boards, cable markers and more, faster and easier than ever before. Includes a 6-month manufacturer's warranty. **As an authorized Brady reseller, we can bid on RFQs for any Brady part numbers. Contact us to request a non-obligatory quote!**

TLS2200	Brady TLS2200 Premium Brady Thermal Transfer Printer	795.00
R6210	Brady Replacement Ribbon for TLS2200	23.95
TLS2200-BP	Brady Replacement Battery	95.00

Item #	Description	Qty / Uom	List Price

Brady BMP21 Cable Labels

As an authorized Brady reseller, we can bid on RFQs for any Brady part numbers. Contact us to request a non-obligatory quote!

M21-375-499	Brady Nylon Cloth White, 0.375"W x 16'H (1cm W x 4.9m H)	1/Roll	22.00
M21-500-499	Brady Nylon Cloth White, 0.50"W x 16'H (1.3cm W x 4.9m H)	1/Roll	22.95
M21-750-499	Brady Nylon Cloth White, 0.75"W x 16'H (1.9cm W x 4.9m H)	1/Roll	23.99

Brady BMP71 Cable Labels

As an authorized Brady reseller, we can bid on RFQs for any Brady part numbers. Contact us to request a non-obligatory quote!

M71-17-351	Brady Tamper-resistant Vinyl White, 1.00"W x 0.50"H (2.5cm W x 1.3cm H)	500/Roll	51.95
M71-30-427-AW	Brady Self Laminating Vinyl, 1.50"W x 0.750"H (3.8cm W x 1.9cm H)	250/Roll	35.49
M71-31-351	Brady Tamper-resistant Vinyl White, 1.50"W x 1.00"H (3.8cm W x 2.5cm H)	250/Roll	39.95
M71-20-351	Brady Tamper-resistant Vinyl White, 2.00"W x 1.00"H (5.1cm W x 2.5cm H)	100/Roll	31.95

Brady IDXPERT Cable Labels

These labels are Ideal for marking data cabling. The B-427 vinyl self-laminating material offers superior abrasion resistance and resists dirt, oils, solvents and water. Each label features a clear, non-printed area, which wraps around and over laminates the printed text. The IDXPERT automatically "multiple repeats" your text in the white print area. These labels are UL Recognized and support a temperature range of -94°F to 158°F (-70°C to 70°C). **As an authorized Brady reseller, we can bid on RFQs for any Brady part numbers. Contact us to request a non-obligatory quote!**

XSL-102-427	Brady Self Laminating Vinyl White, 0.50"W x 1.25"H (1.3cm W x 3.2cm H)	250/Roll	27.95
XSL-103-427	Brady Self Laminating Vinyl White, 1.00"W x 1.25"H (2.5cm W x 3.2cm H)	250/Roll	44.95
XSL-115-427	Brady Self Laminating Vinyl White, 1.50"W x 1.25"H (3.8cm W x 3.2cm H)	250/Roll	39.95
XSL-29-427	Brady Self Laminating Vinyl White, 0.50"W x 1.50"H (1.3cm W x 3.8cm H)	500/Roll	49.95
XSL-30-427	Brady Self Laminating Vinyl White, 0.75"W x 1.50"H (1.9cm W x 3.8cm H)	250/Roll	37.95

Brady TLS2200 Cable Labels

As an authorized Brady reseller, we can bid on RFQs for any Brady part numbers. Contact us to request a non-obligatory quote!

PTL19427	Brady Cable Labels, 1.0"L x 1.0"W x .375"H (2.5cm L x 2.5cm W x 1cm H)	250/Roll	29.95
PTL31427	Brady Cable Labels, 1.0"L x 1.5"W x .50"H (2.5cm L x 3.8cm W x 1.3cm H)	250/Roll	39.95
PTL21427	Brady Cable Labels, 1.0"L x 2.5"W x .75"H (2.5cm L x 6.4cm W x 1.9cm H)	100/Roll	24.95

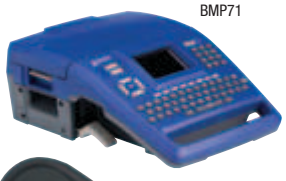
Item #	Description	Qty / Uom	1-9	10-24	25-99	100-249	250-499

Cable Labels - Wraparound Style, 3 Sizes to Choose From

CL0515	Cable Labels, .50"L x 1.5"W x .50"H (1.3cm L x 3.8cm W x 1.3cm H)	30/Roll	5.95	5.83	5.71	5.59	5.47
CL1150	Cable Labels, 1.0"L x 1.5"W x .50"H (2.5cm L x 3.8cm W x 1.3cm H)	30/Roll	7.95	7.79	7.63	7.47	7.31
CL1375	Cable Labels, 1.0"L x 3.75"W x 1.0"H (2.5cm L x 9.5cm W x 2.5cm H)	30/Roll	5.95	5.83	5.71	5.59	5.47

Note: CL Series labels are not intended for use with Brady printers.


BMP21


BMP71


IDXPERT-ABC


IDXPERT-KEY


THERMAL TRANSFER TYPE

TLS2200 CLEARER AND FASTER


M21-375-499


XSL-102-427 Replacement Ribbon for IDXPERT


PTL19427 Replacement Ribbon for TLS2200


CL0515


CL1150
CL1375

Labels wrap around cable for easy identification.

To see our entire product offering
go to...L-com.com

L-com® Global Connectivity

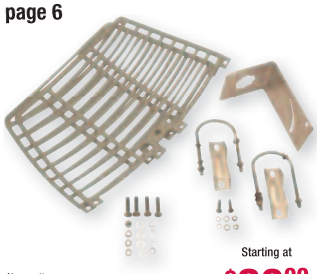
The items below represent only a small portion of L-com's new products. Look for the New icon throughout the catalog to see more or go to L-com.com/NewProducts.

HyperLink® 1.9 GHz Grid Antenna
page 6



Item # HG1922EG-NF
Starting at $70.00

HyperLink® Grid Antenna Replacement Hardware
page 6



Item # HGGH-04
Starting at $20.00

HyperLink® 2.4 GHz Integral Type N Female Connector
page 7



Item # HGV-2402U
Starting at $32.00

HyperLink® 5.1/5.8 GHz Broadband Dish Antenna
page 9



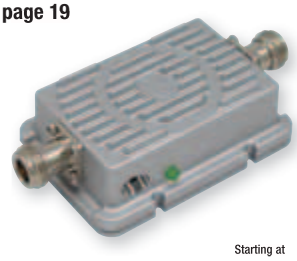
Item # HG5158-23D
Starting at $138.00

2.4 GHz 180° Sectorial Panel Antenna, N Female Connector
page 13



Item # HG2412P-180
Starting at $150.00

HyperLink® 3.5 GHz Indoor Amplifier
page 19



Item # HA3501I-1000
Starting at $200.00

HyperLink® Dual Polarity Yagi Antenna Kit
page 22



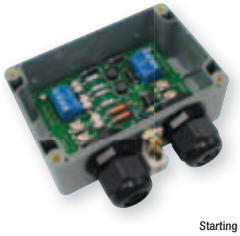
Item # ARK4958DP-17Y-1
Starting at $214.85

Non-Powered NEMA Enclosure with Blank Aluminum Plate
page 28



Item # NBO80604-KIT
Starting at $95.00

RS422/RS485 Control Lines with AC/DC Supply Voltage Protectors
page 34



Item # ALS-D25P12DW
Starting at $29.00

L-com Brand Midspan/Injector with Integral Power Supply
page 36



Item # PSW1212-POE
Starting at $16.00

Premium Category 6 Shielded Patch Cords, 5 Boot Directions
page 43



Item # TRD695SRA
Starting at $8.69

Ruggedized Cat5e Assembly with FR-TPE Cable and Dust-Caps
page 49



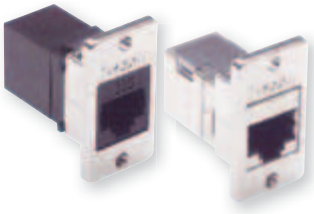
Item # TRD8RG5
Starting at $347.86

Category 5e Economy 110 IDC Keystone Jack, Pkg/25
page 55



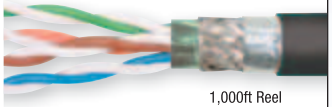
Item # RJE110C5E90-PK
Starting at $37.95

Cat6a Shielded and Unshielded RJ45 Panel Couplers
page 64



Item # ECF504-C6A
ECF504-SC6A
Starting at $12.95

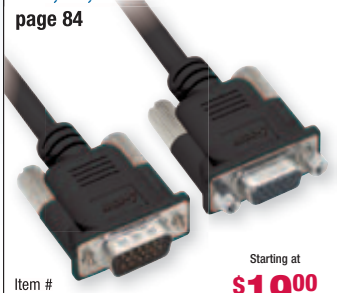
Category 5e Shielded Continuous Hi-Flex Oil Resistant Bulk Cable
page 69



1,000ft Reel

Item # TFCLS5075
Starting at $1449.00

Premium Black D-Sub Cables, DB9, 15, 25 and HD15
page 84



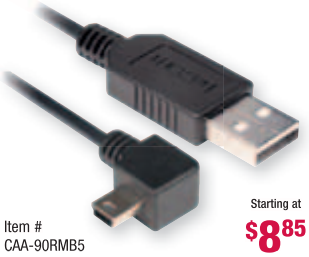
Item # CS2HB15MF
Starting at $19.00

L-com® Global Connectivity

More New Products
See more new products at L-com.com/NewProducts

New The items below represent only a small portion of L-com's new products. Look for the New icon throughout the catalog to see more or go to L-com.com/NewProducts.

USB 90° Mini B and Micro B Cable Assemblies
page 106



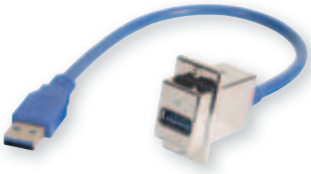
Item # CAA-90RMB5
Starting at $8.85

USB 3.0 Panel Mount Cable Assemblies, Type A Female / Male
page 107



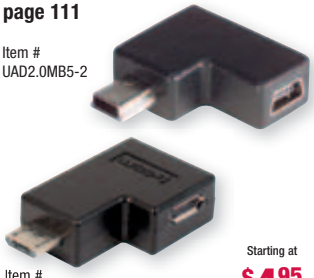
Item # UPMAA-30 Series
Starting at $16.00

USB 3.0 Shielded Panel Mount Coupler, Type A Female to Male
page 107



Item # ECF504-30-03AAS
Starting at $18.50

USB 2.0 Mini B5 or Micro B Low Profile Right Angle Adapters
page 111



Item # UAD2.0MB5-2
Item # UAD2.0MICB-1
Starting at $4.95

Metal or Plastic Armored HDMI Cables with Ethernet
page 129



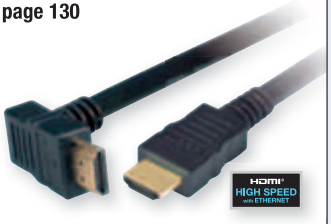
Item # HDCAMT
Item # HDCAPL
Starting at $23.95

Hi-Speed HDMI Cable w/Ethernet, Panel Mount Female to Male
page 129



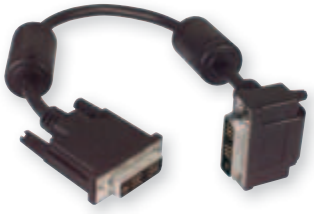
Item # PMHDMF
Starting at $18.95

HDMI Angled Cable Assemblies, 4 Exit Options Available
page 130



Item # HDRA3
Starting at $18.95

DVI-D Single and Dual Link Angled Cable Assemblies
page 131



Item # DVIDS-RA2
Starting at $18.75

DisplayPort to HDMI, DVI or SVGA Adapter Cables
page 137



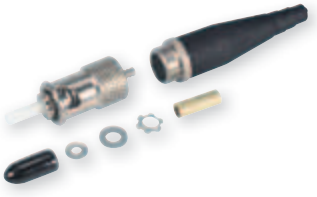
Item # DP-SVGA-CBL
Starting at $21.95

Low Loss Type N Female Coaxial Connector
page 185



Item # ANF-2906
Starting at $29.99

MIL-C-83522 ST Fiber Optic Connectors
page 206



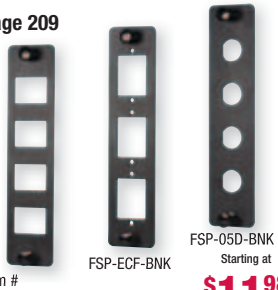
Item # FOC-M83522-ANXB
Starting at $12.23

MIL-C-83522 ST Connector and Coupler Dust Caps
page 206



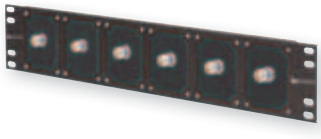
Item # DSTCP-RSTN
Starting at $21.11

Fiber Sub-Panels to Populate FSP Patch Panels and Enclosures
page 209



FSP-05D-BNK
FSP-ECF-BNK
Item # FSP-KYSTN-BNK
Starting at $11.98

3.5" Universal Rack Panel with 6 Type N Coaxial Couplers
page 230



Item # UPR35-1NB
Starting at $139.95

L-com Brand 10Base-T Media Converters/Transceiver
page 235



Item # LCPT-10BT-10B2
Item # LCPT-10BT-10B5
Starting at $34.98

D-Link Fixed Vandal Proof Dome Network Surveillance Camera
page 247



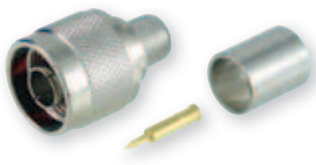
Item # DCS-6510
Starting at $814.98

To see our entire product offering go to...L-com.com

L-com Global Connectivity

Best Seller

These items are just a few of our customer's favorites. Look for this icon throughout the catalog for more detailed information on these and other Best Selling products.



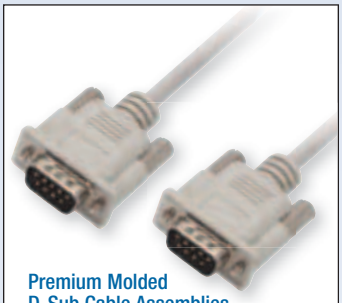
Coaxial Type N Male Crimp for RG8, 400-Series Cable
ANM-1406
page 185



14 x 10 x 4 Inch 120-240 VAC Weatherproof Enclosure
NBP141004-E00
page 29



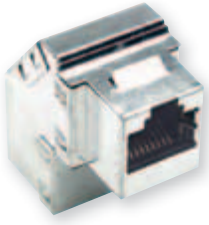
Slimline Gender Changer, HD15 Female / Female
DGBH15F
page 91



Premium Molded D-Sub Cable Assemblies
CS2N9MF Series
page 83



Waterproof USB Cable Assemblies
WPUSBAX Series
page 110



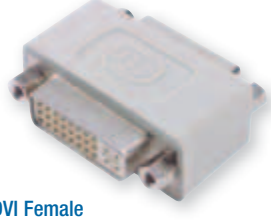
Modular Cat5e RJ45 Coupler, Shielded
UJ5T568S
page 67



Type N Female / Female Bulkhead 0-3 GHz 90V Lightning Protector
AL-NFNFB-9
page 35



CA-400 Low Loss Coaxial Cable, UV Resistant Jacket, 1000' Reel
CA-400-R1K
page 190



DVI Female Bulkhead Adapter
DMB605FF
page 145



Fiber Coupler, LC / LC Duplex, Ceramic Sleeve, No Flange
FOA-550A
page 210



2.4 GHz Outdoor CPE Wireless Access Point
WLAN-LCCPE28-1
page 21



Category 5e Double Shielded LSZH 24 AWG Solid Patch Cords
TRD855SIG
page 46



Fully Shielded Cat5e Coupler
ECF504-SC5E
page 64



2.4 GHz Indoor Amplifiers with Power Supply
HA2401GXI-1000
page 17



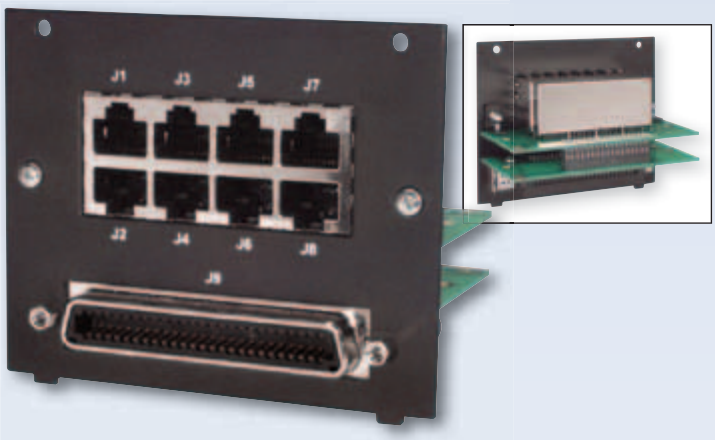
4.9-5.8 GHz 34 dBi Dual Polarity Dish Antenna
HG4958DP-34D
page 9



Super Thin Low Smoke Zero Halogen SVGA HD15 Cables
CTL3VGAMM-TZ
page 134

L-com Global Connectivity

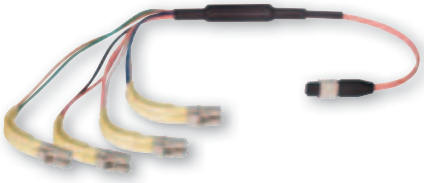
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Do you need custom cable assemblies, antennas, adapters or other connectivity products?

L-com has over 30 years of experience designing and building custom connectivity products. L-com's manufacturing facilities in the U.S. and China can build just about every type of copper or fiber cable assembly as well as custom connectors, WiFi antennas, adapters, amplifiers, NEMA enclosures and more. L-com's Product Development and CAD Engineering teams are ready to serve you. L-com is ISO 9001:2008 and UL Certified and has the ability to manufacture custom products in large or small volumes. Fast turnaround is also available.

Fiber Optic



Copper



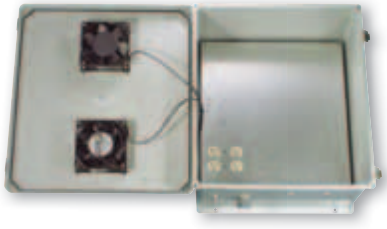
Antennas



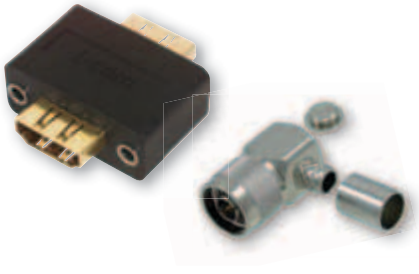
Amplifiers



NEMA Enclosures



Connectors and Adapters



L-com's Design Process

We have the ability to manufacture custom products in large or small volumes. Fast turnaround is also available if needed. Our custom design process is simple and makes working with us as easy as 1-2-3.

Step 1 - Concept

Provide us with the requirements of your project, from a rough sketch to a detailed drawing. Our technical staff will review the project, consult with you, and provide a quotation within 24 hours in most cases.



Step 2 - Design

Once an order is placed, we'll generate an engineering drawing and/or a 3D rendering of your custom assembly and e-mail it to you for approval.



Step 3 - Production

Once the drawing has been approved, production will begin in one of our facilities. We can produce quantities as low as 1 piece and as high as 100,000 pieces with very short lead times.



L-com's Certifications

A complete company documentation package is available for download at L-com.com/Profile

GSA Contract Holder #GS-35F-0174S

ISO 9001: 2008

- Repackaged Electrical Construction Equipment
- Computer Interconnection Cable Assemblies
- Processed Wire

Custom design and manufacturing capabilities
Our product design process takes you from concept to production. L-com.com/Custom

L-com® Global Connectivity

Terms and Conditions

Applicability of Terms and Conditions
The Terms and Conditions on this page will govern all sales by L-com, Inc. and it's subsidiaries ("us", "we") unless otherwise agreed to in writing, signed by L-com at its home office in North Andover, Massachusetts, by an authorized agent. Terms and Conditions contained in Buyer's purchase order or any other document that are different from or in addition to these Terms and Conditions are objected to, are rejected, and will not be binding on us. Buyer will be deemed to have agreed to these Terms and Conditions by issuing a purchase order number and upon receipt from us of a written acknowledgement of Buyer's placement of an order. Not-withstanding the foregoing, if we at Buyer's request, commence performance in any way prior to receipt by Buyer of our written acknowledgement, Buyer's acceptance of these Terms and Conditions will be deemed to have occurred on the date such performance commences. If for any reason, our Quotation is deemed an acceptance of an offer made by Buyer, such acceptance is expressly conditioned on Buyer's assent to these Terms and Conditions, which assent will be evidenced by the earlier of Buyer's acceptance of items delivered by us or any other performance by Buyer or by us. We will proceed to sell items only if Buyer assents to these Terms and Conditions.

Application Disclaimer
Products sold by us are not intended for use in life support or other medical devices or systems, life-critical applications, emergency response or safety related systems, or in connection with any product using nuclear power, or in the aircraft, aviation, aeronautical, aerospace, defense or related industries or for uses or in industries not otherwise provided in the product description. Any such use of products sold by us is at Customer's sole risk, and Customer agrees to indemnify and hold us harmless from and against any loss, claims, damages, liability, or cost (including court costs and attorney's fees) resulting from such use or sale by our Customer or any customer of our Customer. Due to the numerous factors affecting the operating range of radio frequency systems we specifically do not guarantee operating range. Customers are urged to contact a local Professional Installer for assistance in designing and installing any Products. We do not provide installation services or design services. Therefore any assistance or advice provided by one of our employees or representatives in selecting equipment is given on a best-effort basis, and should not be relied upon for final decision of product selection by Customer.

Call Monitoring
As a part of a commitment to continuous improvement, we utilize systems to monitor incoming and outgoing telephone calls with customers to ensure quality of service.

Confidentiality
Buyer agrees that all information furnished by or obtained from us in connection with the sale of items hereunder will be confidential, and Buyer agrees not to (i) disclose any such information to any other person, or (ii) use such information for any purpose, other than performing this contract.

FCC Part 15 and Part 97 Notice
For systems operating within the jurisdiction of the FCC, customer acknowledges that any amplification device it purchases is intended for use only in a transmission system certified under Part 15, Part 97 or other applicable section of the rules and regulations of the Federal Communications Commission.

International Orders
International orders may be subject to any applicable customs duties, VAT, and taxes in the country of destination, all of which are the responsibility of the customer. If this transaction involves an export under Export Administration Regulations, the products exported by us are exported in accordance with the current Export Administration Regulations. Diversion, use, export or re-export contrary to United States law is prohibited. The commodities, technology and/or software sold or distributed under these terms and conditions of sale may not be exported or re-exported to Cuba, Iran, Libya, Sudan, North Korea or Syria or to other countries, entities and persons that are ineligible under United States law to receive United States commodities, technology and/or software.

Jurisdiction and Venue
Customer agrees that any legal action brought against us shall be governed by the laws of the State of Massachusetts or State of Florida (respectively) without regard to its conflict of law principles. Customer agrees that the sole jurisdiction and venue for any litigation arising from any purchase shall be an appropriate federal or state court of competent jurisdiction located in Essex County, Massachusetts or Palm Beach County, Florida.

Limitation of Liability
In no event shall we, our Directors, Officers, Employees and Representatives be liable for indirect, special, incidental, consequential, punitive or other damages including but not limited to loss of use, loss of data, loss of business income or profits or breach of implied warranties of any kind arising out of the purchase, use or performance of the Products, whether or not it has been advised of the possibility of such damages. Some localities do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Remedies and Limitations on Remedies
In the event of any material breach of the warranty, we will, at our sole option, credit Buyer's account or repair any defective goods or furnish a replacement part or goods, all subject to Buyer providing written notice of the alleged breach within the time required. The remedies set forth herein shall be the sole and exclusive remedies available to buyer so that our credit of Buyer's account or repair or replacement is a fulfillment of all our obligations. We shall not be liable for any special, consequential, incidental or punitive damages of any kind, nor under any circumstance shall we be liable for damages beyond the price of the goods purchased by Buyer, whether in contract, in tort or under any warranty or other use.

Notices
Any notice to us required or permitted hereunder will be deemed to have been effectively delivered if in writing and served by personal delivery to us or sent by registered or certified mail with return receipt requested, postage prepaid, to us at the address specified.

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Your receipt of an email or other form of order confirmation does not constitute our acceptance of your order or a confirmation of an offer to sell. We reserve the right, without prior notification, to limit the order quantity on any item and/or refuse service to any customer. All orders are subject to review and acceptance by us. Verification of information may be required prior to the acceptance of any order.

Pricing and Specifications
All prices and specifications are subject to change without notice. We reserve the right to change pricing, products and specifications, or discontinue items at our sole discretion for any reason whatsoever including, but not limited to changing market conditions, product discontinuation, component unavailability, manufacturing cost changes and errors in advertisements.

Returns
Customers wishing to return products must first obtain a Return Material Authorization (RMA) number from a Customer Service representative. This number must be printed on the outside of the package in order for it to be received and processed. Merchandise must be shipped prepaid. We will determine if credit will be issued upon evaluation of the product and packaging after it's returned to us. Other details concerning returns are as follows:

Stock Item Returns
Items ordered in error must have a Return Material Authorization (RMA) number issued within 30 days of the original order. These parts are eligible for full credit only if the returned products and packaging are in mint and salable condition. A repackaging/restocking charge not to exceed 25% of the sale price may be charged on any products not returned unopened. Under no circumstances will credit be issued after 30 days from date of invoice or for orders exceeding $500.00 in total value. All freight charges are the responsibility of the customer.

Custom Product and Tool Returns
Custom Products and tools are not returnable for any reason unless they are found to be defective.

Defective Item Returns
Defective items must have a Return Material Authorization (RMA) number called in prior to shipping.

Distributed Item Returns
Products distributed by L-com, Inc. carry the warranty of the respective manufacturer only. After 30 days from invoice all merchandise returns for distributed products must be handled directly with that manufacturer in accordance with their warranty.

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Any L-com orders shipped to or picked up in California, Florida, Massachusetts, Washington, Texas, Pennsylvania, or Michigan will include applicable sales tax. The Customer must pay this tax to L-com unless the Customer provides a valid "Exempt or Resale Certificate" for the applicable state when establishing their account. Customer shall be solely responsible for all sales or use taxes, or other taxes, on orders shipped to any other state. Sales tax will be charged on product cost and shipping and handling where applicable and required by law.

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All orders are shipped FOB our plant in North Andover, MA or our plant in Boca Raton, FL, respectively. The minimum shipping and processing charge for domestic ground shipments is $10.95.

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Claims for shortages must be reported within 5 business days of receiving the order, otherwise these orders will be deemed as complete.

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Except in the particulars specified by Buyer and agreed to in writing by us, the goods being sold to Buyer will be produced in accordance with our standard practices. All goods, however, including those produced to meet an exact specification, will be subject to tolerance and variations consistent with good manufacturing practices in regard to dimension, weight, section, composition, mechanical and electrical properties; to normal variations in surface and internal conditions and in quality; and to deviations from tolerances and variations consistent with practical testing and inspection methods.

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We warrant our manufactured products and assemblies for a period of one year from time of purchase. These products are warranted against defects in workmanship or materials under normal use. We cannot warranty our products in case of misuse, acts of God, or consequential damage. Alteration of product cancels all warranties. Under no circumstances will we be responsible for any damage beyond the replacement cost of the defective merchandise. We reserve the right to repair or replace any products that are returned under warranty. Products distributed by us carry the warranty of the respective manufacturer only. Goods manufactured by us to meet Buyer's instructions, specifications or requirements are subject to a plus or minus deviation of five percent (5%) in quantity. This warranty applies to the original purchaser only and is not transferable. This limited warranty covers normal use. The limited warranty does not cover damage incurred during shipment, caused by impact with other objects, dropping, immersion in liquid; service by anyone other than us, use not in accordance with instructions, accident, abuse, misuse, natural disasters such as flood, fire, earthquake or lightning, power surges and problems caused by use of power supplies not supplied by us. Warranty coverage will not apply in the event the serial number or brand-name has been removed, altered or defaced. EXCEPT AND TO THE EXTENT EXPRESSLY SET FORTH ABOVE, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND WE EXPRESSLY DISCLAIM ALL WARRANTIES NOT STATED HEREIN. Some states do not allow the exclusion of implied warranties or limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

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Modular Jacks



4-POSITION 4 CONTACT (HANDSET)
6-POSITION 4 CONTACT (RJ11)
6-POSITION 6 CONTACT (RJ12)



8-POSITION 8 CONTACT (RJ45)
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Mini DIN and DIN Connectors



Mini DIN 4
Mini DIN 6
Mini DIN 8
DIN 5

USB Connectors



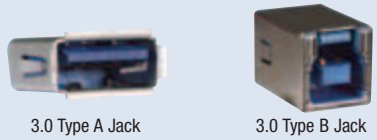
2.0 Type A Jack
2.0 Type B Jack



2.0 Mini Type B Jack (4 position)
2.0 Mini Type B Jack (5 position)



2.0 Micro Type B Jack
3.0 Micro Type B Jack



3.0 Type A Jack
3.0 Type B Jack

Fiber Optic Connectors



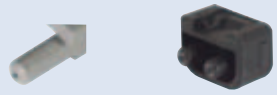
ST CONNECTOR
SC CONNECTOR
FC CONNECTOR



MPO CONNECTOR
LC CONNECTOR
MU CONNECTOR



MT-RJ CONNECTOR
MINI TOSLINK CONNECTOR
TOSLINK CONNECTOR

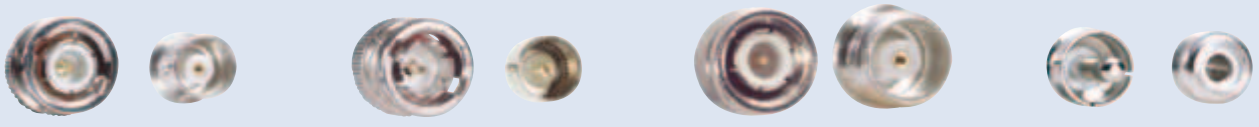


HFBR CONNECTOR
SMI CONNECTOR

Coaxial Connectors



SMA PLUG
SMA JACK
SMB PLUG 50 Ohm
SMB JACK 50 Ohm
SMB PLUG 75 Ohm
SMB JACK 75 Ohm
SMC PLUG
SMC JACK



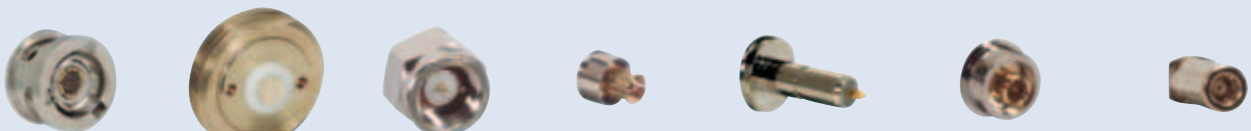
BNC PLUG 50 Ohm
BNC JACK 50 Ohm
BNC PLUG 75 Ohm
BNC JACK 75 Ohm
TNC PLUG
TNC JACK
RCA PLUG
RCA JACK



FME PLUG
FME JACK
"F" PLUG
"F" JACK
MMCX (MALE)
RP-MMCX
MCX PLUG
MCX JACK



"N" PLUG
"N" JACK
UHF PLUG
UHF JACK
QMA PLUG
QMA JACK



TRB PLUG 78 Ohm
NMO
WAVERIDER® COMPATIBLE (MALE)
MC CARD (MALE)
Sony Ericsson® COMPATIBLE EDGE PC CARD**
ORiNOCO® COMPATIBLE AP COMPATIBLE**
SIERRA WIRELESS AIRCARD® COMPATIBLE**

**See L-com.com for actual models this connector is compatible with.

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* Images enlarged to show detail.

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SATA/eSATA Connectors


Serial ATA Latching Connector


Serial ATA Connector


External Serial ATA Connector

Firewire Connectors


IEEE 1394 (Firewire) TYPE 1


IEEE 1394 (Firewire) TYPE 2


IEEE 1394b (Firewire) 9 POSITION

Audio/Video Connectors


DVI-A DUAL LINK (MALE)


DVI-A DUAL LINK (FEMALE)


EVC (MALE)


EVC (FEMALE)


DVI-I DUAL LINK (MALE)


DVI-I DUAL LINK (FEMALE)


DFP (MALE)


DFP (FEMALE)


DVI-I SINGLE LINK (MALE)


DVI-I SINGLE LINK (FEMALE)


13W3 (MALE)


13W3 (FEMALE)


DVI-D DUAL LINK (MALE)


DVI-D DUAL LINK (FEMALE)


DISPLAY PORT


MINI HDMI


DVI-D SINGLE LINK (MALE)


DVI-D SINGLE LINK (FEMALE)


HDMI (MALE)


HDMI (FEMALE)

D-Subminiature Connectors


Shell Size 1: DB9F, HD15F


Shell Size 2: DB15F, HD26F


Shell Size 3: DB25F, HD44F


Shell Size 4: DB37F, HD62F


Shell Size 5: DB50F, HD78F

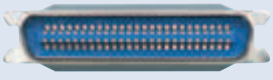
Other Common Connectors


IEEE-488 - GPIB (MALE)


IEEE-488 - GPIB (FEMALE)


CENTRONICS PRINTER INTERFACE (MALE)


CENTRONICS PRINTER INTERFACE (FEMALE)


50 CONTACT D-SUB (SCSI-1)


HIGH DENSITY 50 CONTACT D-SUB (SCSI-2)


HPDB68 (SCSI-3)


.8mm CN68 (SCSI-5)

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More connectors are available
See a complete listing at L-com.com/ConnectorChart

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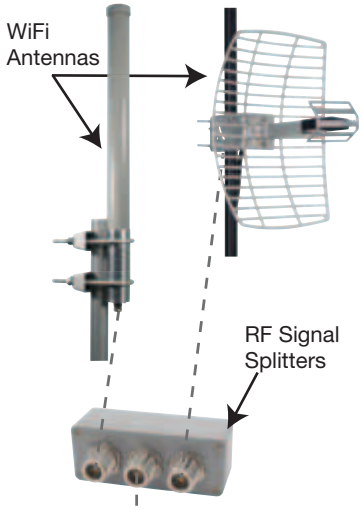
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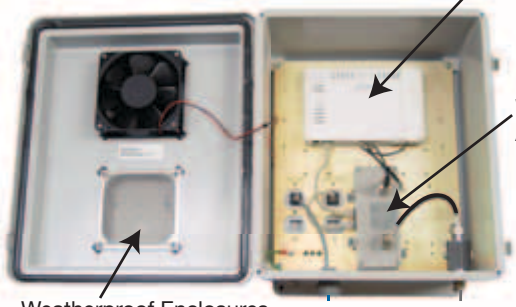
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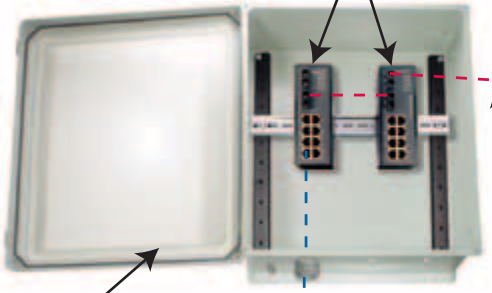








WIRED











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