



Data Connectivity Solutions



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Data Connectivity Products

CopperTen® Category 6a UTP

The CopperTen® system is the world's first UTP structured cabling system with the necessary characteristics to enable 10Gbps Ethernet transmission over a full 100 meters. Typical Category 6 cabling systems are hindered by the technical combination of insertion loss and alien crosstalk (interference from adjacent cables) at higher frequencies. Alien crosstalk greatly disrupts transmission and high-speed data communications. The CopperTen system incorporates patent-pending design and manufacturing processes that enable the products to overcome these challenges.



See ADC literature #106620AE.





Data Connectivity Products

CopperTen® Category 6a Plenum Data Cable

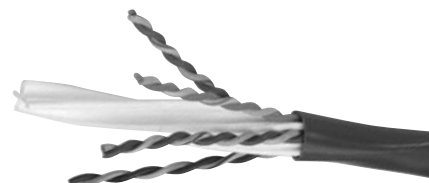
6/09 • 106612AE Next Gen Network Solutions

Features

- Unique oblique elliptical offset filler for improved alien crosstalk
- Features AirES® technology
- Manufactured with lead-free materials
- Common Applications
 - 4/16Mbps Token Ring (IEEE 802.5)
 - 10Base-T (IEEE 802.3)
 - 100Mbps TP-PMD
 - Broadband and baseband video
 - 100Base-T (Fast Ethernet)
 - 100Base-T4 (Fast Ethernet)
 - 100Base-TX (Fast Ethernet)
 - 100VG-Any LAN (IEEE 802.12)
 - 52/155Mbps ATM (ATM Forum)
 - 622Mbps ATM (ATM Forum)
 - 1000Base-T (Gigabit Ethernet)
 - 1 Gigabit Networking System (WGNA)
 - 1.2Gbps ATM (ATM Forum)
 - 77 Channel broadband video
 - 10GBase-T Ethernet (802.3an)

Compliances

- UL Subject 444
- (UL)-C(UL) Type CMP
- ICEA S-90-661
- NEC 800 Type CMP
- TIA/EIA 568-B.2-10 Standards
- ISO/IEC 11801 Class EA Horizontal Cable Requirements



Ordering Information

Description	Catalog Number*
4-pair Plenum data cable; 1000' reel	10G-A6TP-XX02

Additional packaging options are available, please contact ADC Technical Assistance Center.

*To order jacket color, replace XX with:

BL = Blue	WT = White
GY = Gray	GN = Green
YL = Yellow	RD = Red

Data Connectivity Solutions

See ADC literature #106620AE.





Data Connectivity Products

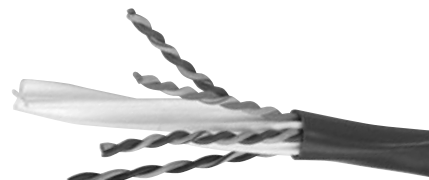
CopperTen® Category 6a Riser Data Cable

Features

- Unique oblique elliptical offset filler for improved alien crosstalk
- Manufactured with lead-free materials
- Common Applications
 - 4/16Mbps Token Ring (IEEE 802.5)
 - 10Base-T (IEEE 802.3)
 - 100Mbps TP-PMD
- Broadband and baseband video
 - 100Base-T (Fast Ethernet)
 - 100Base-T4 (Fast Ethernet)
 - 100Base-TX (Fast Ethernet)
- 100VG-Any LAN (IEEE 802.12)
- 52/155Mbps ATM (ATM Forum)
- 622Mbps ATM (ATM Forum)
- 1000Base-T (Gigabit Ethernet)
- 1 Gigabit Networking System (WGNA)
- 1.2Gbps ATM (ATM Forum)
- 77 Channel broadband video
- 10GBase-T Ethernet (IEEE 802.3an) proposed

Compliances

- UL Subject 444
- (UL)-C(UL) Type CMR/CMG
- ICEA S-90-661
- NEC 800 Type CMR
- TIA/EIA 568-B.2-10 Standards
- ISO/IEC 11801 Class EA Horizontal Cable Requirements
- Fire load: 822kJ/m (0.23kWh/m)



Ordering Information

Description	Catalog Number*
4-pair riser data cable; 1000' reel	10G-A6TR-XX02

Additional packaging options are available, please contact ADC Technical Assistance Center.

*To order jacket color, replace XX with:

BL = Blue	WT = White
GY = Gray	GN = Green
YL = Yellow	RD = Red

See ADC literature #106620AE.



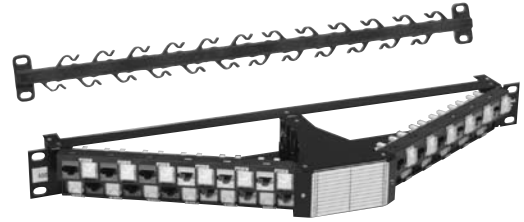


Data Connectivity Products

CopperTen® Augmented Category 6 Patch Panels

The CopperTen® Augmented Category 6 Angled Patch Panel optimizes 10 Gb/s transmission performance with offset jack positioning to counter the negative effects of alien crosstalk. The angled port design improves all aspects in managing horizontal cable and patch cables while improving density when used with Glide Cable Management. It also makes modifications easy, avoids unintended disconnects and cable damage, and protects bend radius to avoid violations that result in signal degradation.

An integral part of ADC's TrueNet® Structured Cabling System, CopperTen® is the world's first UTP structured cabling system to enable 10 Gigabit Ethernet over a full 100 meters. Installed in high-performance networks worldwide, the system's patent-pending design minimizes alien crosstalk and insertion loss and meets the performance requirements of IEEE 802.3an and TIA 568-B.2-10 standards.



Features

- Angled design eases stress on patch cords while maximizing 10 Gigabit performance
- UL1863 Listed
- High-density design with 24 ports in a single rack unit
- Unique polymer design helps eliminate alien crosstalk
- Rear cable manager included

Ordering Information

Description	Catalog Number
Patch panel	
24-port angled patch panel 1RU unloaded	TPNP-24APC10-UN
24-port angled patch panel 1RU loaded with black CopperTen Jacks	TPNP-24APC10-BK
Wire management bracket for cabinets in data center applications	
CopperTen Cable Manager Bracket	TPNP-NNC10-WM-BKT



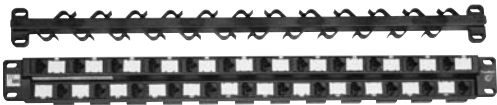


Data Connectivity Products

CopperTen® Augmented Category 6 Patch Panels

Features

- Installed with CopperTen jacks, meets TIA/EIA 568-B.2-10 standards
- Staggered port design and isolation bar provide improved alien crosstalk performance
- One rack unit, 24-port design provides high density and flexibility
- Rear wire manager included
- Write-on label area for quick, precise port labeling
- Accepts a wide range of ADC connectors
- UL 1863 safety rating
- Unique polymer design helps eliminate alien crosstalk



Loaded



Unloaded

Ordering Information

Description	Dimensions (HxWxD)		Catalog Number
1RU, 24-port patch panel	.75" x 19" x 3" (44.45mm x 182.6mm x 76.2mm)	Unloaded	TPNP-NNC10-NN
		Loaded with black CopperTen jacks	TPNP-24NC10-BK

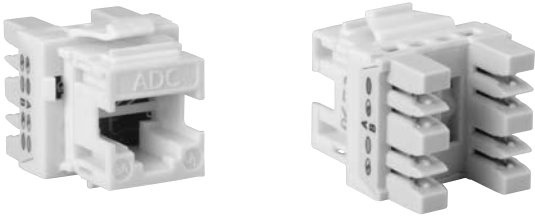


Data Connectivity Products

CopperTen® Modular Jack Category 6 UTP

Features

- Meets or exceeds performance requirements of TIA/EIA 568-B.2-10 standards
- 45-degree silver-plated IDCs provide secure, reliable gas-tight connections
- Accepts KRONE® or 110 tool for wire termination
- Universal A/B wiring label
- Modular jacks fit port openings of 0.585" x 0.757" (14.86 mm x 19.23 mm) with plate thickness from 0.048" to 0.060" (1.23 mm x 1.52 mm)



Ordering Information

Description	Catalog Number*
CopperTen RJ45 UTP modular 568A/B jack; <i>Quantity: 1</i>	6830 1 835-XX

*Replace XX with:

01 = White	06 = Blue
02 = Ivory	07 = Green
03 = Gray	08 = Yellow
04 = Black	09 = Purple
05 = Red	10 = Orange
22 = Electrical Ivory	



Data Connectivity Products

CopperTen® Patch Cords – Category 6 UTP

Features

- Meets or exceeds performance requirements TIA/EIA 568-B.2-10 standards
- Copper conductors in the cable pairs are stranded for superior flexibility and compacted to a near-round shape for optimum signal strength
- Snag-less plug design with built-in strain relief
- UL 1863 safety rating



Ordering Information

Description	Catalog Number*
RJ45 to RJ45 patch cord	
568B wiring	6645-2-8X5-YY
568A wiring	6645-2-8X0-YY

*Replace X for color:

0 = White	3 = Yellow
1 = Red	4 = Green
2 = Blue	6 = Gray

Replace YY for length:

04 = 4'	15 = 15'
07 = 7'	25 = 25'
10 = 10'	50 = 50"

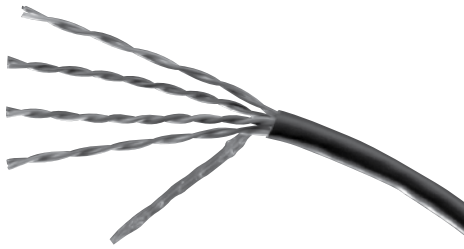
Contact ADC for information on additional colors and custom lengths



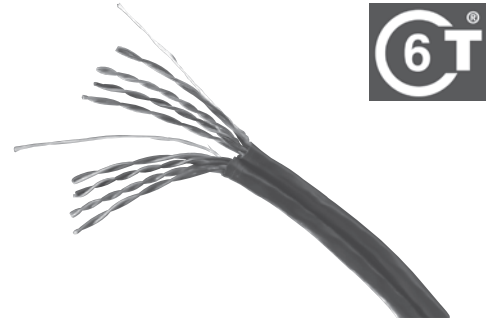


Data Connectivity Products

Category 6 Plenum Cable



TrueNet® Category 6 Plenum cable
is protected by US Patents 6153826



TrueNet® Category 6 Plenum cable
is also available in a side-by-side configuration

Common Applications

- 4/16Mbps Token Ring (IEEE 802.5)
- 10Base-T (IEEE 802.3)
- 100Mbps TP-PMD
- Broadband and baseband video
- 100Base-T (Fast Ethernet)
- 100Base-T4 (Fast Ethernet)
- 100Base-TX (Fast Ethernet)
- 100VG-AnyLAN (IEEE 802.12)
- 52/155Mbps ATM (ATM Forum)
- 622Mbps ATM (ATM Forum)
- 1000Base-T (Gigabit Ethernet)
- 1Gbps Networking System (WGNA)
- 1.2Gbps ATM (ATM Forum)
- 77 Channel broadband video

Compliances

- UL Subject 444
- (UL)-C(UL) Type CMP
- ICEA S-90-661
- NEC 800 Type CMP
- ISO/IEC 11801 Class E
- TIA/EIA-568-B.2-1 Category 6 horizontal cable requirements

Specifications

CONSTRUCTION

Features AirES® technology

Conductors:	24 AWG solid bare copper
Insulation:	100% FEP
Pairing:	Short, staggered pair lays
Filler:	Fluoropolymer
Color-coding:	See Technical Reference Section, UTP color-code table
Jacket:	Lead-free, flame retardant PVC

Performance information follows on the next page





Data Connectivity Products

Category 6 Plenum Cable

Specifications

ELECTRICAL

Conductor DC resistance (maximum):	28.6Ω /1000 feet (9.38Ω/100 meters) @20°C
DC resistance unbalance (maximum):	2%
Mutual capacitance (maximum):	17 pF/foot (5.6nF/100 meters)
Operating temperature (maximum):	75°C
Operating voltage (maximum):	300VDC
Worst case cable skew:	25 nS/100 meters @100MHz
Nominal velocity of propagation:	75%

FREQ (MHz)	FITTED IMPEDANCE (Ohms)	INSERTION LOSS (dB/100m)		RETURN LOSS (dB/100m)		Pair-Pair NEXT (dB/100m)		PSNEXT (dB/100m)	
	SPEC	Max	TIA Spec	Min	TIA Spec	Min	TIA Spec	Min	TIA Spec
1	100 ± 5	1.7	2.0	28.5	20.0	83.8	74.3	81.9	72.3
4	100 ± 3	3.4	3.8	32.1	22.9	74.9	65.3	74.3	63.3
8	100 ± 3	4.9	5.3	35.0	24.5	74.4	60.8	71.0	58.8
10	100 ± 3	5.5	6.0	34.6	25.0	70.3	59.3	68.0	57.3
16	100 ± 3	7.0	7.6	31.7	25.0	67.2	56.2	66.7	54.2
20	100 ± 3	7.9	8.5	32.1	25.0	66.8	54.8	64.7	52.8
25	100 ± 3	8.9	9.5	36.5	24.3	65.6	53.3	63.6	51.3
31.25	100 ± 3	9.9	10.7	36.7	23.6	61.8	51.9	60.9	49.9
62.5	100 ± 3	14.3	15.4	34.0	21.5	61.0	47.4	59.3	45.4
100	100 ± 3	18.4	19.8	30.8	20.1	60.2	44.3	57.4	42.3
155	100 ± 3	23.3	25.2	27.3	18.8	54.8	41.4	51.4	39.4
200	100 ± 3	26.8	29.0	31.0	18.0	54.9	39.8	52.4	37.8
250	100 ± 3	30.4	32.8	28.6	17.3	49.5	38.3	48.5	36.3
300	100 ± 3	33.7		27.2		49.0		48.2	
350	100 ± 3	36.7		24.3		46.3		44.8	
400	100 ± 3	39.6		25.0		47.5		45.2	
450	100 ± 3	42.5		24.5		47.3		43.4	
500	100 ± 3	45.3		24.2		43.8		43.0	
550	100 ± 3	47.7		18.6		40.2		39.4	

FREQ (MHz)	Pair-Pair ACR (dB/100m)		PSACR (dB/100m)		Pair-Pair ELFEXT (dB/100m)		PSELFEXT (dB/100m)		LCL (dB/100m)
	Min	TIA Spec	Min	TIA Spec	Min	TIA Spec	Min	TIA Spec	Min
1	86.8	72.3	84.2	70.3	73.6	67.8	72.6	64.8	40.0
4	71.7	61.5	71.2	59.5	62.7	55.8	61.8	52.8	40.0
8	69.8	55.4	66.4	53.4	57.2	49.7	56.2	46.7	40.0
10	65.1	53.3	62.8	51.3	55.2	47.8	54.2	44.8	40.0
16	64.8	48.7	61.5	46.7	51.1	43.7	49.8	40.7	38.0
20	59.4	46.3	57.4	44.3	49.3	41.8	48.2	38.8	37.0
25	60.2	43.8	57.7	41.8	47.4	39.8	46.5	36.8	36.0
31.25	52.5	41.2	51.3	39.2	45.5	37.9	44.4	34.9	35.1
62.5	49.3	32.0	47.9	30.0	40.1	31.9	39.4	28.9	32.0
100	42.7	24.5	41.6	22.5	36.8	27.8	35.9	24.8	30.0
155	33.2	16.3	29.9	14.3	33.6	24.0	33.2	21.0	28.1
200	30.3	10.8	26.9	8.8	31.7	21.8	30.6	18.8	27.0
250	26.7	5.5	22.2	3.5	29.1	19.8	28.9	16.8	26.0
300	19.4		16.6		26.2		25.5		
350	16.8		14.7		21.3		21.8		
400	12.0		10.2		22.1		22.5		
450	10.4		8.4		28.3		27.3		
500	8.8		4.8		23.6		24.0		
550	1.7		0.7		25.7		24.7		

Note: The above listed discrete frequency electrical performance values are provided for engineering information only. Actual compliance testing is based on swept frequency measurements. The spec values are based on TIA/EIA 568-B.2-1 specifications.

See ADC literature #106620AE.





Data Connectivity Products

Category 6 Plenum Cable

Ordering Information		
Description	Weight (Lbs/kft)	Catalog Number*
4-pair cable Nominal OD: 0.208" (5.28mm) Maximum OD: 0.212" (5.38mm)		
Reel packaging–1000'	30	TN6SP-XX02
Reel in a box–1000'	32	TN6SP-XXRB
4-pair side-by-side cable Nominal OD: 0.22" x 0.45" (5.6mm x 11.43mm)	76	TN6SPX2-XXYY

*To order cable sheath color, replace XX with:

- BL = Blue
- WT = White
- GY = Gray
- GN = Green
- YL = Yellow
- RD = Red

Other reel sizes available, please contact ADC Customer Service.



Data Connectivity Products

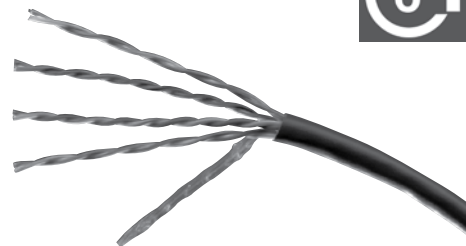
Category 6 Riser Cable

Common Applications

- 4/16Mbps Token Ring (IEEE 802.5)
- 10Base-T (IEEE 802.3)
- 100Mbps TP-PMD
- Broadband and baseband video
- 100Base-T (Fast Ethernet)
- 100Base-T4 (Fast Ethernet)
- 100Base-TX (Fast Ethernet)
- 100VG-AnyLAN (IEEE 802.12)
- 52/155Mbps ATM (ATM Forum)
- 622Mbps ATM (ATM Forum)
- 1000Base-T (Gigabit Ethernet)
- 1Gbps Networking System (WGNA)
- 1.2Gbps ATM (ATM Forum)
- 77 Channel broadband video

Compliances

- UL Subject 444
- (UL)-C(UL) Type CMR/CMG
- (UL)-C(UL) Type CM/CMH
- ICEA S-90-661
- NEC 800 Type CMR or CM
- ISO/IEC 11801 Class E
- ETL Verified TIA/EIA-568-B.2-1 Category 6 horizontal cable requirements



TrueNet® Category 6 riser cable is protected
by US Patents 6153826 and 6150612

Specifications

CONSTRUCTION

Features AirES® technology

Conductors:	24 AWG solid bare copper
Insulation:	100% Polyolefin
Pairing:	Short, staggered pair lays
Filler:	Polyolefin
Color-coding:	See Technical Reference Section, UTP color-code table
Jacket:	Lead-free, flame retardant PVC





Data Connectivity Products

Category 6 Riser Cable

Specifications

ELECTRICAL

Conductor DC resistance (maximum):	28.6Ω /1000 feet (9.38Ω/100 meters) @20°C
DC resistance unbalance (maximum):	2%
Mutual capacitance (maximum):	17 pF/foot (5.6nF/100 meters)
Operating temperature (maximum):	75°C
Operating voltage (maximum):	300VDC
Worst case cable skew:	25 nS/100 meters @100MHz
Nominal velocity of propagation:	75%

FREQ (MHz)	FITTED IMPEDANCE (Ohms)	INSERTION LOSS (dB/100m)		RETURN LOSS (dB/100m)		Pair-Pair NEXT (dB/100m)		PSNEXT (dB/100m)	
	SPEC	Max	TIA Spec	Min	TIA Spec	Min	TIA Spec	Min	TIA Spec
1	100 ± 5	1.8	2.0	27.2	20.0	83.4	74.3	81.0	72.3
4	100 ± 3	3.6	3.8	32.2	22.9	76.9	65.3	73.7	63.3
8	100 ± 3	5.1	5.3	34.2	24.5	65.6	60.8	64.0	58.8
10	100 ± 3	5.8	6.0	33.8	25.0	67.2	59.3	65.7	57.3
16	100 ± 3	7.4	7.6	33.9	25.0	65.9	56.2	63.8	54.2
20	100 ± 3	8.3	8.5	30.6	25.0	62.2	54.8	61.1	52.8
25	100 ± 3	9.3	9.5	33.1	24.3	60.1	53.3	59.9	51.3
31.25	100 ± 3	10.4	10.7	32.9	23.6	60.6	51.9	58.5	49.9
62.5	100 ± 3	14.9	15.4	33.5	21.5	54.0	47.4	53.1	45.4
100	100 ± 3	19.0	19.8	29.4	20.1	54.4	44.3	52.3	42.3
155	100 ± 3	24.0	25.2	23.5	18.8	52.2	41.4	50.5	39.4
200	100 ± 3	27.4	29.0	27.1	18.0	49.9	39.8	47.6	37.8
250	100 ± 3	30.8	32.8	27.9	17.3	50.1	38.3	47.7	36.3
300	100 ± 3	33.9		23.3		44.1		42.6	
350	100 ± 3	36.6		21.5		45.9		45.2	
400	100 ± 3	39.4		22.1		44.8		41.9	
450	100 ± 3	42.3		20.4		45.8		42.5	
500	100 ± 3	44.8		18.5		41.6		40.0	
550	100 ± 3	47.1		18.3		41.1		38.8	

FREQ (MHz)	Pair-Pair ACR (dB/100m)		PSACR (dB/100m)		Pair-Pair ELFEXT (dB/100m)		PSELFEXT (dB/100m)		LCL (dB/100m)
	Min	TIA Spec	Min	TIA Spec	Min	TIA Spec	Min	TIA Spec	TIA Spec
1	81.8	72.3	79.3	70.3	75.4	67.8	74.8	64.8	40.0
4	74.4	61.5	72.9	59.5	63.0	55.8	62.5	52.8	40.0
8	60.6	55.4	59.2	53.4	56.0	49.7	55.6	46.7	40.0
10	61.6	53.3	60.1	51.3	54.7	47.8	54.7	44.8	40.0
16	63.5	48.7	60.3	46.7	50.4	43.7	50.5	40.7	38.0
20	54.3	46.3	53.2	44.3	49.8	41.8	49.8	38.8	37.0
25	53.4	43.8	51.9	41.8	47.3	39.8	47.1	36.8	36.0
31.25	52.0	41.2	51.8	39.2	46.0	37.9	45.9	34.9	35.1
62.5	42.2	32	41.4	30.0	40.3	31.9	40.3	28.9	32.0
100	37.0	24.5	35.9	22.5	37.2	27.8	37.1	24.8	30.0
155	29.0	16.3	27.2	14.3	35.2	24.0	34.6	21.0	28.1
200	23.3	10.8	21.0	8.8	35.7	21.8	32.0	18.8	27.0
250	19.8	5.5	17.4	3.5	32.1	19.8	31.5	16.8	26.0
300	10.8		9.2		27.0		25.5		
350	9.8		9.1		24.9		23.8		
400	5.9		4.8		23.7		21.2		
450	6.7		3.7		22.3		19.5		
500					19.9		18.7		
550					15.4		15.4		

Note: The above listed discrete frequency electrical performance values are provided for engineering information only. Actual compliance testing is based on swept frequency measurements. The spec values are based on TIA/EIA 568-B.2-1 specifications.

See ADC literature #106620AE.





Data Connectivity Products

Category 6 Riser Cable

Ordering Information

Description	Weight (Lbs/kft)	Catalog Number*
4-pair cable, CMR flame rated Nominal OD: 0.215" (5.46mm)		
Reel packaging—1000'	26	TN6SR-XX02
Reel in a box—1000'	28	TN6SR-XXRB

*To order cable sheath color, replace XX with:

- BL = Blue
- WT = White
- GY = Gray
- GN = Green
- YL = Yellow
- RD = Red

Other reel sizes available, please contact ADC Customer Service.



Data Connectivity Products

Category 6 Bundled Plenum Cable

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Features

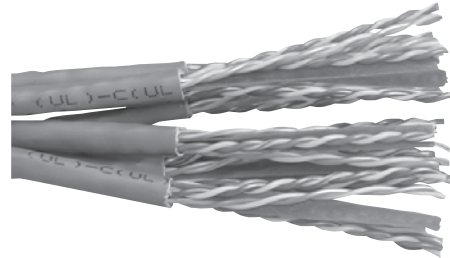
- Individual 4-pair horizontal cables twisted and bound together with Kevlar® cord
- Patented impedance matching for zero-bit errors
- Manufactured with lead-free materials

Common Applications

- 4/16Mbps Token Ring (IEEE 802.5)
- 10Base-T (IEEE 802.3)
- 100Mbps TP-PMD
- Broadband and baseband video
- 100Base-T (Fast Ethernet)
- 100Base-T4 (Fast Ethernet)
- 100Base-TX (Fast Ethernet)
- 100VG-AnyLAN (IEEE 802.12)
- 52/155Mbps ATM (ATM Forum)
- 622Mbps ATM (ATM Forum)
- 1000Base-T (Gigabit Ethernet)
- 1Gbps Networking System (WGNA)

Compliances

- UL Subject 444
- (UL)-C(UL) Type CMP
- ICEA S-90-661
- NEC 800 Type CMP
- ISO/IEC 11801 Class D
- TIA/EIA-568-B.2-1 Category 6 horizontal, individual cables



Specifications

CONSTRUCTION

Features AirES® technology

Conductors:	24 AWG solid bare copper
Insulation:	100% FEP
Individual cable diameter:	0.208" (5.28mm)
Jacket:	Non-lead, flame retardant PVC

Performance information follows on the next page

Data Connectivity Solutions

See ADC literature #106620AE.





Data Connectivity Products

Category 6 Bundled Plenum Cable

Specifications

ELECTRICAL

Conductor DC resistance (maximum):	28.6Ω/1000 feet (9.38Ω/100 meters) @20°C
DC resistance unbalance (maximum):	2%
Mutual capacitance (maximum):	17 pF/foot (5.6nF/100 meters)
Operating temperature (maximum):	75°C
Operating voltage (maximum):	300VDC
Worst case cable skew:	25 nS/100 meters @100MHz
Nominal velocity of propagation:	75% @100MHz

Freq (MHz)	Impedance (Ohms)		Attenuation (dB/100m)		Return Loss (dB)		Attenuation-To-NEXT Ratio			
	Input Typical	Characteristic Typical	Typical	Spec	Typical	Spec	Pair-To-Pair (dB/100m)		PowerSum (dB/100m)	
1	100 ± 5	100 ± 5	1.6	2.0	20.3	20.0	94.8	72.3	88.0	70.3
4	100 ± 5	100 ± 3	3.2	3.8	35.2	23.0	86.7	61.5	79.9	59.5
8	100 ± 5	100 ± 3	4.6	5.3	41.1	24.5	80.0	55.4	73.5	53.4
10	100 ± 5	100 ± 3	5.2	6.0	40.2	25.0	80.1	53.3	72.0	51.3
16	100 ± 5	100 ± 2	6.7	7.6	41.0	25.0	73.8	48.7	65.9	46.7
20	100 ± 5	100 ± 2	7.5	8.5	41.1	25.0	70.0	46.3	63.0	44.3
25	100 ± 5	100 ± 2	8.4	9.5	42.2	24.3	70.4	43.8	63.6	41.8
31.25	100 ± 5	100 ± 2	9.5	10.7	39.5	23.6	64.8	41.2	58.2	39.2
62.5	100 ± 5	100 ± 2	13.9	15.4	40.6	21.5	56.5	32.0	49.7	30.0
100	100 ± 5	100 ± 2	18.3	19.8	36.9	20.1	50.2	24.5	43.2	22.5
155	100 ± 5	100 ± 2	23.5	25.2	38.9	18.8	42.4	16.3	35.0	14.3
200	100 ± 5	100 ± 2	27.3	29.0	35.5	18.0	36.8	10.8	29.6	8.8
250	100 ± 5	100 ± 2	31.3	32.8	36.0	17.3	30.1	5.5	23.8	3.5
300	100 ± 5	100 ± 2	34.9		35.4		26.2		18.8	
350	100 ± 5	100 ± 2	38.4		32.5		22.3		15.1	
400	100 ± 5	100 ± 2	41.8		33.0		17.3		10.0	
550	100 ± 8	100 ± 2	50.6		28.9		5.5		-2.7	

Freq (MHz)	NEXT				ELFEXT			
	Pair-To-Pair (dB/100m)		PowerSum (dB/100m)		Pair-To-Pair (dB/100m)		PowerSum (dB/100m)	
	Typical	Spec	Typical	Spec	Typical	Spec	Typical	Spec
1	96.4	74.3	89.6	72.3	92.2	67.8	84.8	64.8
4	89.9	65.3	83.1	63.3	83.3	55.8	74.2	52.8
8	84.6	60.8	78.1	58.8	77.9	49.7	69.4	46.7
10	85.3	59.3	77.2	57.3	74.8	47.8	66.9	44.8
16	80.5	56.2	72.6	54.2	70.2	43.7	62.6	40.7
20	77.5	54.8	70.5	52.8	67.9	41.8	60.2	38.8
25	78.8	53.3	72.0	51.3	66.1	39.8	58.3	36.8
31.25	74.3	51.9	67.7	49.9	63.7	37.9	55.9	34.9
62.5	70.4	47.4	63.6	45.4	58.4	31.9	50.5	28.9
100	68.5	44.3	61.5	42.3	54.9	27.8	46.6	24.8
155	65.9	41.4	58.5	39.4	49.2	24.0	41.8	21.0
200	64.1	39.8	56.9	37.8	45.5	21.8	38.1	18.8
250	61.4	38.3	55.1	36.3	43.6	19.8	35.0	16.8
300	61.1		53.7		38.9		30.4	
350	60.7		53.5		34.2		26.3	
400	59.1		51.8		3.0		22.5	
550	56.1		47.9		19.2		10.8	

Note: The above listed discrete frequency electrical performance values are provided for engineering information only. Actual compliance testing is based on swept frequency measurements. The spec values are based on TIA/EIA 568-B.2-1 specifications.

Ordering information follows on the next page





Data Connectivity Products

Category 6 Bundled Plenum Cable

Ordering Information				
Number of Cables	Bundled Diameter (Inches)	Weight (lbs/kft)	Packaging	Catalog Number*
3	0.39"	84	1000' Reel	TNSP-36XX02
4	0.48"	112	1000' Reel	TNSP-46XX02
6	0.58"	168	1000' Reel	TNSP-66XX02

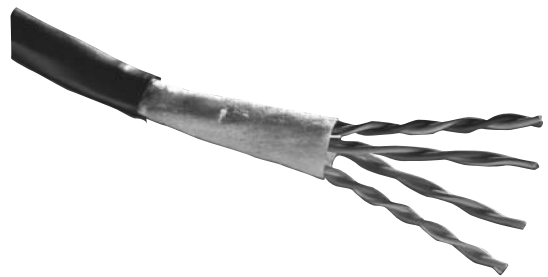
*To order cable sheath color, replace XX with:
BL = Blue
WT = White
GY = Gray
GN = Green
YL = Yellow
RD = Red
ST = Standard bundled colors—white, blue, gray, orange, yellow, green
Other reel sizes available, please contact ADC Customer Service.



Data Connectivity Products

Category 6 – C6T 4 Pair Outdoor Cable

The Outback cable is a 4-pair, 23 gauge Category 6 data cable designed for outdoor use. The cable combines excellent transmission performance and weather resistant properties. It is intended for outdoor installation, in buried conduit or as aerial cable. The core contains a water blocking tape which isolates the core from moisture.



Features

- Patented AirES® conductor insulation technology enables improved signal strength and speed with superior electrical performance
- Manufactured with lead-free materials
- Moisture barrier core wrap protects pairs

Common Applications

- 4/16 Mb/s Token Ring (IEEE 802.5)
- 10Base-T (IEEE 802.3)
- 100 Mb/s TP-PMD
- Broadband & Baseband Video
- 100Base-T ("Fast Ethernet")
- 100Base-T4 ("Fast Ethernet")
- 100Base-TX ("Fast Ethernet")
- 100VG-Any LAN (IEEE 802.12)
- 52/155 Mb/s ATM (ATM Forum)
- 622 Mb/s ATM (ATM Forum)
- 1000Base-T (Gigabit Ethernet)
- 1Gigabit Networking System (WGNA)
- 1.2 Gb/s ATM (ATM Forum)
- 77 Channel Broadband Video

Compliances

- ETL Verified TIA/EIA-568-B.2-1 Category 6 Horizontal
- ISO/IEC 11801 Category 6 Horizontal Cable Requirements





Data Connectivity Products

Category 6 – C6T 4 Pair Outdoor Cable

Specifications

CONSTRUCTION

Conductor:	23 AWG solid bare copper
Insulation:	Polyolefin
Filler:	Polyolefin Star
Core Tape:	Moisture barrier core wrap
Jacket:	Linear Low Density Polyethylene, Black 0.260" (6.6 mm) nominal O.D.

THERMAL

Transport and Storage:	-20° C to 75° C
Installation:	4° C to 50° C
Operation:	-20° C to 75° C

MECHANICAL

Bend Radius	
During Installation:	8 X O.D.
Installed:	4 X O.D.
Pull Tension:	25 lb/f (110N)

ELECTRICAL

Conductor DC Resistance @ 20° C (Max):	28.6 Ω/1000 ft (9.38 Ω/100 m)
DC Resistance Unbalance (Max):	2%
Mutual Capacitance @ 20° C (Max):	17 pF/ft (5.6nF/100 m)
Operating Voltage (Max):	300 VDC
Worst Case Cable Skew:	45 ns/100 m
Nominal Velocity of Propagation:	66%

Ordering Information

Description	Weight		Catalog Number
	LBS/KFT	KG/KM	
Reel – 10001	29	42.5	TN6TOSP-BK02



Data Connectivity Products

Category 6 – C6T 4 Pair Outdoor Cable

FREQ MHZ	FITTED IMPEDANCE Ohms	INSERTION LOSS dB/100m		RETURN LOSS dB/100m		PAIR-PAIR NEXT dB/100m		PSNEXT dB/100m	
	Spec	Max	Spec	Min	Spec	Min	Spec	Min	Spec
1	100 +/-3	1.7	2.0	26.2	20.0	83.9	74.3	80.8	72.3
4	100 +/-3	3.4	3.8	33.8	22.9	80.0	65.3	76.4	63.3
8	100 +/-3	4.8	5.3	34.5	24.5	74.0	60.8	72.3	58.8
10	100 +/-3	5.4	6.0	37.2	25.0	68.6	59.3	67.5	57.3
16	100 +/-3	6.8	7.6	33.5	25.0	71.0	56.2	68.8	54.2
20	100 +/-3	7.6	8.5	34.8	25.0	62.7	54.8	62.2	52.8
25	100 +/-3	8.6	9.5	36.1	24.3	59.1	53.3	58.6	51.3
31.25	100 +/-3	9.6	10.7	38.8	23.6	67.2	51.9	64.7	49.9
62.5	100 +/-3	13.6	15.4	35.2	21.5	56.8	47.4	54.1	45.4
100	100 +/-3	17.3	19.8	35.0	20.1	53.7	44.3	52.1	42.3
155	100 +/-3	21.7	25.2	32.8	18.8	53.6	41.4	51.9	39.4
200	100 +/-3	24.8	29.0	32.9	18.0	47.3	39.8	45.7	37.8
250	100 +/-3	27.8	32.8	31.3	17.3	49.1	38.3	47.2	36.3
300	100 +/-3	30.6		31.3		49.4		46.5	
350	100 +/-3	33.1		30.0		49.1		46.7	
400	100 +/-3	35.5		26.6		41.3		40.6	
550	100 +/-3	42.1		22.3		42.1		40.4	
FREQ MHZ	PAIR-PAIR ACR dB/100m		PSACR dB/100m		PAIR-PAIR ELFEXT dB/100m		PSELFEXT dB/100m		LCL dB/100m
	Min	Spec	Min	Spec	Min	Spec	Min	Spec	Min
1	82.3	72.3	79.2	70.3	79.4	67.8	75.1	64.8	40.0
4	76.6	61.5	73.1	59.5	67.7	55.8	63.3	52.8	40.0
8	69.4	55.4	67.5	53.4	61.6	49.7	57.3	46.7	40.0
10	63.4	53.3	62.2	51.3	59.4	47.8	55.2	44.8	40.0
16	64.2	48.7	62.0	46.7	54.8	43.7	51.3	40.7	38.0
20	55.3	46.3	54.7	44.3	52.5	41.8	49.6	38.8	37.0
25	50.8	43.8	50.1	41.8	49.6	39.8	47.4	36.8	36.0
31.25	57.8	41.2	55.4	39.2	47.6	37.9	45.6	34.9	35.1
62.5	43.4	32.0	40.8	30.0	42.4	31.9	39.7	28.9	32.0
100	36.9	24.5	35.3	22.5	38.3	27.8	35.5	24.8	30.0
155	32.1	16.3	30.4	14.3	37.6	24.0	34.7	21.0	28.1
200	23.0	10.8	21.0	8.8	35.1	21.8	33.3	18.8	27.0
250	21.9	5.5	20.0	3.5	27.5	19.8	26.8	16.8	26.0
300	19.8	-	16.8	-	25.3	-	23.9	-	
350	16.3	-	14.0	-	27.3	-	25.0	-	
400	6.2	-	5.5	-	29.4	-	27.6	-	
550	1.0	-	-	-	23.9	-	23.7	-	

Note: The above listed discrete frequency electrical performance values are provided for engineering information only. Actual compliance testing is based on swept frequency measurements. The spec values are based on TIA/EIA-568-B.2-1 specification.

See ADC literature #106620AE.





Data Connectivity Products

Category 6 Patch Panels

TrueNet® Category 6 patch panels feature impedance matching for maximum performance. Designed for mounting in standard EIA 19-inch racks or to hinged wall mount brackets, their high density, superior reliability and numerous labeling options make these patch panels a superior choice for high-performance networks.



Features and Benefits

- UL certified and verified
- Performance exceeds TIA/EIA Category 6 requirements
- Designed to support Gigabit Ethernet transmission speeds
- Includes rear wire manager
- Wire can be terminated with either a KRONE® or 110 tool
- 45 degree silver-plated IDCs provide secure, reliable gas-tight connection
- Includes paper labels or silk-screened area for station identification
- Universal wiring label for easy termination of either T568A/B



24-port Category 6 patch panel A/B



48-port Category 6 patch panel A/B



24-port Category 6 patch panel, paper labels A/B



48-port Category 6 patch panel, paper labels A/B

Ordering information follows on the next page





Data Connectivity Products

Category 6 Patch Panels



Ordering Information		
Description	Dimensions	Catalog Number
24-port silk-screened, T568A/B compatible <i>Quantity: 1</i>	1.75" x 19" x 1.5" (44.45 mm x 482.6 mm x 38.1 mm)	6653 1 677-24
48-port silk-screened, T568A/B compatible <i>Quantity: 1</i>	3.5" x 19" x 1.5" (88.9 mm x 482.6 mm x 38.1 mm)	6653 1 677-48
24-port patch panel with snap-in port ID tabs and paper labels, T568A/B compatible <i>Quantity: 1</i>	1.75" x 19" x 1.5" (44.45 mm x 482.6 mm x 38.1 mm)	6653 1 679-24
48-port patch panel with snap-in port ID tabs and paper labels, T568A/B compatible <i>Quantity: 1</i>	1.75" x 19" x 0.25" (44.45 mm x 482.6 mm x 6.35 mm)	6653 1 679-48
Blank panels, Used to cover open rack space in 19" rack; rolled steel construction; durable powder coated finish <i>Quantity: 1</i>		
1RU	3.5" x 19" x 0.25" (88.9 mm x 482.6 mm x 6.35 mm)	6653 2 000-01
2RU		6653 2 000-02



Data Connectivity Products

Category 6 Dynamic Angle Right/Left Patch Panels

The TrueNet® dynamic angle right/left panel offers superior performance and flexibility. Unlike fixed angle right/angle left panels, ADC's patented solution combines the ability to dynamically angle connections either right or left in a low profile. Forty-five degree silver plated IDCs can be punched down with either a standard 110 or KRONE termination tool.



Features

- Patented angle right/left eases stress on patch cords allowing for improved cable management
- Low profile dynamic angling allows for greater flexibility and use in cabinet environments
- UL 1863 certified and Category 6 performance verified
- Conductors can be terminated with either a KRONE® or 110 tool
- 45 degree silver-plated IDCs provide secure, reliable gas-tight connection
- Includes adhesive paper labels for station identification
- Universal wiring label for easy termination of either T568A/B
- Patch panels are designed to support Gigabit Ethernet transmission speeds
- Panels can be rack mounted in standard EIA 19-inch racks or wall mounted using optional 19-inch hinged wall mount brackets
- Rear wire manager included
- TrueNet ID Tab Adapter Bezel included for use with TrueNet ID Tabs

Ordering Information

Description	Dimensions	Catalog Number
24-port angle right/left patch panel, T568A/B compatible <i>Quantity: 1</i>	1.75" x 19" x 1.5" (44.45 mm x 482.6 mm x 38.1 mm)	PP24AC6T
48-port angle right/left patch panel, T568A/B compatible <i>Quantity: 1</i>	3.5" x 19" x 1.5" (88.9 mm x 482.6 mm x 38.1 mm)	PP48AC6T





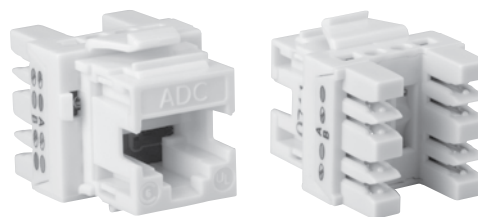
Data Connectivity Products

Category 6 KM8 Modular Jacks

KM8 modular jacks are an integral part of the TrueNet® channel solution. Tuned together with other TrueNet Category 6 components and cable, KM8 jacks help deliver zero-bit-error network performance.

A KM8 modular jack with cable management system ensures reliable field termination. The cable manager holds cable pairs in place up to the termination point, preventing cable untwist and buckle, guaranteeing dependable and repeatable performance. All four pairs terminate at once without a tool for the tool-less jack, reducing termination time and effort.

These modular jacks can be used in ADC's modular patch panels.



KM8 modular jack

Features

- TrueNet® impedance matched jacks guarantee maximum throughput
- Meet TIA/EIA Category 6 requirements
- 45-degree silver-plated IDCs provide secure, reliable gas-tight connections
- Compatible with any TrueNet modular faceplate, modular furniture faceplate, surface box and modular patch panel
- Accepts either a KRONE® or 110 tool for wire termination for punchdown jack
- Universal A/B wiring label

Ordering Information

Description	Catalog Number*
KM8 RJ45 modular punchdown jack <i>Quantity: 1</i>	6830 1 830-XX

*Replace XX with:

01 = White	07 = Green
02 = Ivory	08 = Yellow
03 = Gray	09 = Purple
04 = Black	10 = Orange
05 = Red	22 = Electrical ivory
06 = Blue	

See ADC literature #106620AE.





Data Connectivity Products

Category 6 Patch Cords

Impedance matched for use in TrueNet® structured cabling systems, these patch cords exceed Category 6 requirements. The plug is designed with built-in strain relievers that prevent the cable from moving at the termination point when the cable is flexed. The strain relievers also maintain proper bend radius. Both these innovations are designed to ensure maximum throughput in TrueNet installations.



Category 6 patch cord

Features

- UL certified and verified
- Meets or exceeds TIA/EIA Category 6 component specification
- Copper conductors in the cable pairs are stranded for superior flexibility and compacted to a near-round shape to enhance impedance values
- Durable design to be in operation beyond 20-year product warranty
- Impedance matched patch cord for maximum throughput
- Flexible strain relief boot maintains proper bend radius to ensure peak performance

Ordering Information

Description	Cable Color	Catalog Number*
RJ45 plug to RJ45 plug, T568B Quantity: 1 RJ45 plug (T568B) RJ45 plug (T568B) 	Blue	6645-2-781-XX
	Green	6645-2-784-XX
	Gray	6645-2-787-XX
	Red	6645-2-782-XX
	White	6645-2-780-XX
RJ45 plug to RJ45 plug, T568A Quantity: 1 RJ45 plug (T568A) RJ45 plug (T568A) 	Yellow	6645-2-783-XX
	Blue	6645-2-771-XX
	Green	6645-2-774-XX
	Gray	6645-2-777-XX
	Red	6645-2-772-XX
RJ45 plug to RJ45 plug, crossover wired, Quantity: 1 RJ45 plug (T568B) RJ45 plug (T568A) 	White	6645-2-770-XX
	Yellow	6645-2-773-XX
	Blue	6645-2-791-XX
	Green	6645-2-794-XX
	Gray	6645-2-797-XX
	Red	6645-2-792-XX
	White	6645-2-790-XX
	Yellow	6645-2-793-XX

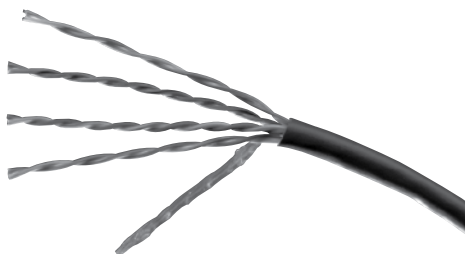
*Replace XX with:
04 = 4'
07 = 7'
10 = 10'
15 = 15'
25 = 25'
50 = 50'

Contact ADC for additional cable colors and lengths.

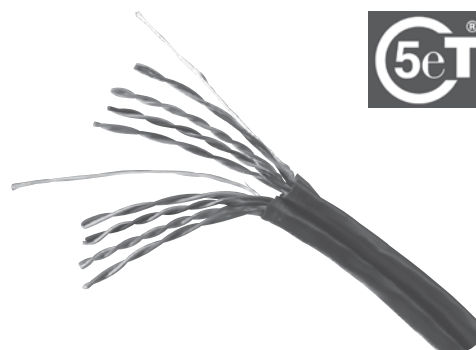


Data Connectivity Products

Category 5e Plenum Cable



TrueNet® Category 5e Plenum cable
is protected by US Patents 6153826



TrueNet® Category 5e Plenum cable
is also available in a side-by-side configuration

Common Applications

- 4/16Mbps Token Ring (IEEE 802.5)
- 10Base-T (IEEE 802.3)
- 100Mbps TP-PMD
- Broadband and baseband video
- 100Base-T (Fast Ethernet)
- 100Base-T4 (Fast Ethernet)
- 100Base-TX (Fast Ethernet)
- 100VG-AnyLAN (IEEE 802.12)
- 52/155Mbps ATM (ATM Forum)
- 622Mbps ATM (ATM Forum)
- 1000Base-T (Gigabit Ethernet)
- 1 Gbps Networking System (WGNA)

Compliances

- UL Subject 444
- (UL)-C(UL) Type MPP/CMP
- ICEA S-90-661
- NEC 800 Type CMP
- ISO/IEC 11801 Class D
- ETL verified TIA/EIA-568-B.2-1 Category 5e horizontal cable requirements

Specifications

CONSTRUCTION

Features AirES® technology

Conductors:	24 AWG solid bare copper
Insulation:	100% FEP
Pairing:	Short, staggered pair lays
Color-coding:	See Technical Reference Section, UTP color-code table
Jacket:	Lead-free, flame retardant PVC

Performance information follows on the next page





Data Connectivity Products

Category 5e Plenum Cable

Specifications

ELECTRICAL

Conductor DC resistance (maximum):	28.6Ω/1000 feet (9.38Ω/100 meters) @20°C
DC resistance unbalance (maximum):	2%
Mutual capacitance (maximum):	17 pF/foot (5.6nF/100 meters)
Operating temperature (maximum):	75°C
Operating voltage (maximum):	300VDC
Worst case cable skew:	22 nS/100 meters @100MHz
Nominal velocity of propagation:	76%

FREQ (MHz)	FITTED IMPEDANCE (Ohms)	INSERTION LOSS (dB/100m)		RETURN LOSS (dB/100m)		Pair-Pair NEXT (dB/100m)		PSNEXT (dB/100m)	
	SPEC	Max	TIA Spec	Min	TIA Spec	Min	TIA Spec	Min	TIA Spec
1	100 ± 5	1.9	2.0	33.1	20.0	79.8	65.3	78.1	62.3
4	100 ± 3	3.7	4.1	30.1	23.0	72.4	56.3	67.9	53.3
8	100 ± 3	5.3	5.8	32.7	24.5	64.4	51.8	63.5	48.8
10	100 ± 3	6.0	6.5	31.4	25.0	63.7	50.3	62.4	47.3
16	100 ± 3	7.6	8.2	37.0	25.0	61.4	47.2	59.7	44.2
20	100 ± 3	8.6	9.3	37.5	25.0	59.7	45.8	58.0	42.8
25	100 ± 3	9.6	10.4	35.1	24.3	58.7	44.3	56.9	41.3
31.25	100 ± 3	10.8	11.7	34.4	23.6	58.7	42.9	54.9	39.9
62.5	100 ± 3	15.5	17.0	33.2	21.5	52.4	38.4	50.3	35.4
100	100 ± 3	19.8	22.0	29.8	20.1	49.3	35.3	47.2	32.3
155	100 ± 3	25.1		29.3		51.3		47.9	
200	100 ± 3	28.9		22.9		47.5		45.5	
250	100 ± 3	32.5		25.0		42.6		41.1	
300	100 ± 3	35.9		22.5		43.6		41.1	
350	100 ± 3	39.3		22.4		41.1		39.6	

FREQ (MHz)	Pair-Pair ACR (dB/100m)		PSACR (dB/100m)		Pair-Pair ELFEXT (dB/100m)		PSELFEXT (dB/100m)	
	Min	TIA Spec	Min	TIA Spec	Min	TIA Spec	Min	TIA Spec
1	78.0	63.3	76.3	60.3	70.2	63.8	70.0	60.8
4	68.6	52.2	64.2	49.2	58.9	51.8	58.7	48.8
8	59.1	46.0	58.1	43.0	52.8	45.7	52.5	42.7
10	57.8	43.8	56.4	40.8	51.1	43.8	50.8	40.8
16	53.8	39.0	52.0	36.0	47.4	39.7	47.1	36.7
20	51.2	36.5	49.4	33.5	45.0	37.8	44.9	34.8
25	49.0	33.9	47.3	30.9	43.0	35.8	42.6	32.8
31.25	47.9	31.2	44.1	28.2	41.4	33.9	41.1	30.9
62.5	36.9	21.4	34.8	18.4	35.2	27.9	35.2	24.9
100	29.4	13.3	27.4	10.3	32.0	23.8	31.7	20.8
155	26.2		22.8		28.7		28.6	
200	18.7		16.6		27.4		27.3	
250	10.1		8.6		25.8		25.4	
300	7.7		5.2		24.4		23.8	
350	1.8		0.3		22.8		22.1	

Note: The above listed discrete frequency electrical performance values are provided for engineering information only. Actual compliance testing is based on swept frequency measurements. The spec values are also based on the TIA/EIA-568-B.2 specification.

Ordering information follows on the next page





Data Connectivity Products

Category 5e Plenum Cable

Ordering Information

Description	Weight (Lbs/kft)	Catalog Number*
4-pair cable Nominal OD: 0.180" (4.57mm) Maximum Average OD: 0.185" (4.7mm)		
Reel packaging	21	TN5ESP-XXYY
Reel in a box-1000'	23	TN5ESP-XXRB
Reelex-1000'	21	TN5ESP-XXII
4-pair, side-by-side cable Nominal OD: 0.19" x 0.40" (4.83mm x 10.16mm)		
	50	TN5ESPX2-XXYY

*To order cable sheath color, replace XX with:

- BL = Blue
- WT = White
- GY = Gray
- GN = Green
- YL = Yellow
- RD = Red

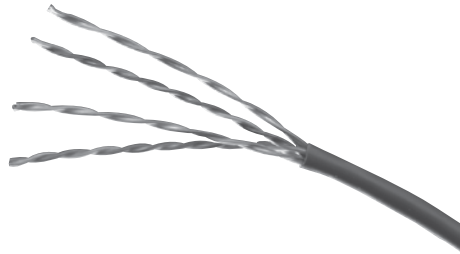
To designate reel length, replace YY with:

- 02 = 1000'
- 04 = 2000'

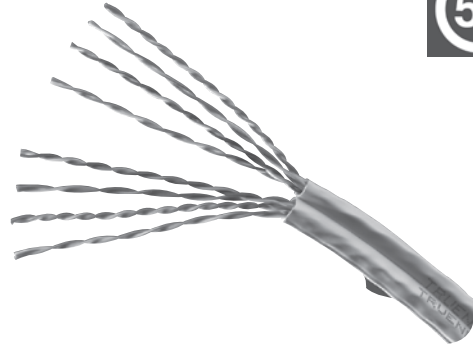


Data Connectivity Products

Category 5e Riser Cable CMR



TrueNet® Category 5e riser cable
is protected by US Patent 6153826



TrueNet® Category 5e riser cable is also
available in a side-by-side configuration

Common Applications

- 4/16Mbps Token Ring (IEEE 802.5)
- 10Base-T (IEEE 802.3)
- 100Mbps TP-PMD
- Broadband and baseband video
- 100Base-T (Fast Ethernet)
- 100Base-T4 (Fast Ethernet)
- 100Base-TX (Fast Ethernet)
- 100VG-AnyLAN (IEEE 802.12)
- 52/155Mbps ATM (ATM Forum)
- 622Mbps ATM (ATM Forum)
- 1000Base-T (Gigabit Ethernet)
- 1Gbps Networking System (WGNA)

Compliances

- UL Subject 444
- (UL)-C(UL) Type CMR/CMG
- (UL)-C(UL) Type CM/CMH
- ICEA S-90-661
- NEC 800 Type CMR or CM
- ISO/IEC 11801 Class D
- ETL verified TIA/EIA-568-B.2-1 Category 5e horizontal cable requirements

Specifications

CONSTRUCTION

Features AirES® technology

Conductors:

24 AWG solid bare copper

Insulation:

Polyolefin

Pairing:

Short, staggered pair lays

Color-coding:

See Technical Reference Section, UTP color-code table

Jacket:

Lead-free, flame retardant PVC

Performance information follows on the next page





Data Connectivity Products

Category 5e Riser Cable CMR

Specifications

ELECTRICAL

Conductor DC resistance (maximum):	28.6Ω/1000 feet (9.38Ω/100 meters) @20°C
DC resistance unbalance (maximum):	2%
Mutual capacitance (maximum):	17 pF/foot (5.6nF/100 meters)
Operating temperature (maximum):	75°C
Operating voltage (maximum):	300VDC
Worst case cable skew:	22 nS/100 meters @100MHz
Nominal velocity of propagation:	70%

FREQ (MHz)	FITTED IMPEDANCE (Ohms)	INSERTION LOSS (dB/100m)		RETURN LOSS (dB/100m)		Pair-Pair NEXT (dB/100m)		PSNEXT (dB/100m)	
	SPEC	Max	TIA Spec	Min	TIA Spec	Min	TIA Spec	Min	TIA Spec
1	100 ± 5	1.9	2.0	33.7	20.0	80.2	65.3	78.0	62.3
4	100 ± 3	3.8	4.1	38.9	23.0	68.7	56.3	66.6	53.3
8	100 ± 3	5.4	5.8	35.6	24.5	63.0	51.8	61.7	48.8
10	100 ± 3	6.1	6.5	36.4	25.0	61.8	50.3	59.2	47.3
16	100 ± 3	7.7	8.2	36.9	25.0	59.0	47.2	55.8	44.2
20	100 ± 3	8.7	9.3	35.1	25.0	60.0	45.8	58.3	42.8
25	100 ± 3	9.8	10.4	36.4	24.3	55.7	44.3	54.2	41.3
31.25	100 ± 3	10.9	11.7	33.3	23.6	53.7	42.9	52.3	39.9
62.5	100 ± 3	15.6	17.0	31.6	21.5	51.6	38.4	50.4	35.4
100	100 ± 3	20.0	22.0	32.8	20.1	46.4	35.3	44.1	32.3
155	100 ± 3	25.1		23.7		44.6		43.1	
200	100 ± 3	28.8		24.8		46.6		43.3	
250	100 ± 3	32.2		23.3		42.1		40.8	
300	100 ± 3	35.5		21.9		42.0		39.1	
350	100 ± 3	38.6		21.7		34.5		32.9	

FREQ (MHz)	Pair-Pair ACR (dB/100m)		PSACR (dB/100m)		Pair-Pair ELFEXT (dB/100m)		PSELFEXT (dB/100m)	
	Min	TIA Spec	Min	TIA Spec	Min	TIA Spec	Min	TIA Spec
1	78.3	63.3	76.1	60.3	74.6	63.8	73.8	60.8
4	64.9	52.2	62.8	49.2	63.5	51.8	62.5	48.8
8	57.5	46.0	56.3	43.0	56.0	45.7	55.4	42.7
10	55.7	43.8	53.1	40.8	54.1	43.8	53.8	40.8
16	51.3	39.0	48.1	36.0	51.2	39.7	50.7	36.7
20	51.3	36.5	49.6	33.5	49.3	37.8	48.7	34.8
25	46.0	33.9	44.4	30.9	47.9	35.8	47.2	32.8
31.25	42.7	31.2	41.4	28.2	45.2	33.9	44.8	30.9
62.5	36.0	21.4	34.8	18.4	39.4	27.9	38.8	24.9
100	26.4	13.3	24.1	10.3	36.6	23.8	35.7	20.8
155	19.4		18.0		30.4		29.5	
200	17.8		14.5		28.0		28.0	
250	9.8		8.6		24.9		23.7	
300	6.6		3.7		24.7		24.8	
350					22.8		21.6	

Note: The above listed discrete frequency electrical performance values are provided for engineering information only. Actual compliance testing is based on swept frequency measurements. The spec values are based on TIA/EIA 568-B.2 specifications.

Ordering information follows on the next page





Data Connectivity Products

Category 5e Riser Cable CMR

Ordering Information

Description	Weight (Lbs/kft)	Catalog Number*
4-pair cable Nominal OD: 0.185" (4.7 mm) Maximum Average OD: 0.185" (4.7 mm)		
Reel packaging	20	TN5ESPR-XXYY
Reel in a box-1000'	20	TN5ESR-XXII
Reel-1000'	22	TN5ESR-XXRB
4-pair, side-by-side cable Nominal OD: 0.19" x 0.40" (4.83mm x 10.16mm)	52	TN5ESRX2-XXYY

*To order cable sheath color, replace XX with:

- BL = Blue
- WT = White
- GY = Gray
- GN = Green
- YL = Yellow
- RD = Red

To designate reel length, replace YY with:

- 02 = 1000'
- 04 = 2000'



Data Connectivity Products

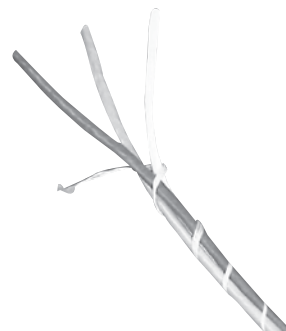
Category 5e Bundled Riser Cable

Common Applications

- 4/16Mbps Token Ring (IEEE 802.5)
- 10Base-T (IEEE 802.3)
- 100Mbps TP-PMD
- Broadband and baseband video
- 100Base-T (Fast Ethernet)
- 100Base-T4 (Fast Ethernet)
- 100Base-TX (Fast Ethernet)
- 100VG-AnyLAN (IEEE 802.12)
- 52/155Mbps ATM (ATM Forum)
- 622Mbps ATM (ATM Forum)
- 1000Base-T (Gigabit Ethernet)
- 1Gbps Networking System (WGNA)

Compliances

- UL Subject 444
- (UL)-C(UL) Type CMR/CMG
- ICEA S-90-661
- NEC 800 Type CMR
- TIA/EIA-568-B.2 Category 5e horizontal, individual cables



TrueNet® Category 5e bundled cable
is protected by US Patent 6153826

Specifications

CONSTRUCTION

Features AirES® technology

Conductors:

24 AWG solid bare copper

Insulation:

100% Polyolefin

Jacket:

Lead-free, flame retardant PVC

Performance information follows on the next page

See ADC literature #106620AE.





Data Connectivity Products

Category 5e Bundled Riser Cable

Specifications

ELECTRICAL

Conductor DC resistance (maximum):	28.6Ω /1000 feet (9.38Ω/100 meters) @20°C
DC resistance unbalance (maximum):	2%
Mutual capacitance (maximum):	17 pF/foot (5.6nF/100 meters)
Operating temperature (maximum):	75°C
Operating voltage (maximum):	300VDC
Worst case cable skew:	45 nS/100 meters @100MHz
Nominal velocity of propagation:	70% @100MHz

Freq (MHz)	Impedance (Ohms)		Attenuation (dB)		Return Loss (dB)		Attenuation-To-NEXT-Ratio			
	Characteristic Typical	Input Typical	Typical	Spec	Typical	Spec	Pair-To-Pair (dB/100m)		PowerSum (dB/100m)	
1	100 ± 10	100 ± 10	1.8	2.0	44.5	20.0	85.3	63.3	78.8	60.3
4	100 ± 8	100 ± 10	3.7	4.1	46.2	23.0	73.4	52.2	66.3	49.2
8	100 ± 6	100 ± 10	5.2	5.8	45.1	24.5	65.4	46.0	58.6	43.0
10	100 ± 6	100 ± 10	5.8	6.5	41.6	25.0	64.7	43.8	58.1	40.8
16	100 ± 5	100 ± 10	7.5	8.2	44.5	25.0	60.4	39.0	53.1	36.0
20	100 ± 5	100 ± 10	8.4	9.3	44.3	25.0	58.5	36.5	51.5	33.5
25	100 ± 4	100 ± 10	9.4	10.4	43.4	24.3	54.6	33.9	48.1	30.9
31.25	100 ± 4	100 ± 10	10.5	11.7	43.5	23.6	53.1	31.2	45.5	28.2
62.5	100 ± 3	100 ± 10	15.1	17.0	41.4	21.5	43.6	21.4	36.8	18.4
100	100 ± 3	100 ± 10	19.5	22.0	42.1	20.1	36.0	13.3	29.9	10.3
155	100 ± 3	100 ± 10	24.4		43.7		27.7		21.0	
200	100 ± 3	100 ± 10	27.8		39.6		22.2		15.8	
250			31.5		38.6		17.1		10.5	
300			34.8		40.0		13.4		6.5	
350			37.6		37.5		8.8		2.3	

Freq (MHz)	NEXT					ELFEXT			
	Pair-To-Pair (dB/100m)		PowerSum (dB/100m)		Bundled PowerSum	Pair-To-Pair (dB/100m)		PowerSum (dB/100m)	
	Typical	Spec	Typical	Spec	Spec	Typical	Spec	Typical	Spec
1	87.1	65.3	80.6	62.3	65.0	85.0	63.8	77.5	60.8
4	77.1	56.3	70.1	53.3	59.3	75.2	51.8	66.5	48.8
8	70.6	51.8	63.9	48.8	54.8	67.4	45.7	59.1	42.7
10	70.8	50.3	63.9	47.3	53.3	65.4	43.8	57.9	40.8
16	67.8	47.2	60.6	44.2	50.2	60.8	39.7	53.5	36.7
20	66.9	45.8	59.9	42.8	48.8	58.6	37.8	51.4	34.8
25	64.0	44.3	57.5	41.3	47.3	56.3	35.8	49.5	32.8
31.25	63.6	42.9	56.1	39.9	45.9	55.0	33.9	48.2	30.9
62.5	58.6	38.4	51.9	35.4	41.4	48.9	27.9	42.0	24.9
100	55.5	35.3	49.5	32.3	38.3	45.2	23.8	38.7	20.8
155	52.1		45.4			41.2		34.8	
200	49.9		43.6			38.2		31.5	
250	48.5		42.1			35.0		28.6	
300	48.2		41.4			32.4		26.2	
350	46.4		39.9			29.6		22.6	

Note: The above listed discrete frequency electrical performance values are provided for engineering information only. Actual compliance testing is based on swept frequency measurements. The spec values are based on TIA/EIA 568-B.2-1 specifications.

Ordering information follows on the next page





Data Connectivity Products

Category 5e Bundled Riser Cable

Ordering Information

Number of Cables	Bundled Diameter (Inches)	Weight (lbs/kft)	Packaging	Catalog Number*
3	0.37"	71	Reel	TNSR-3EXX02
4	0.40"	95	Reel	TNSR-4EXX02
6	0.54"	143	Reel	TNSR-6EXX02

*To order cable sheath color, replace XX with:

BL = Blue

WT = White

GY = Gray

GN = Green

YL = Yellow

RD = Red

ST = Standard bundled colors

Other reel sizes available, please contact ADC customer service.

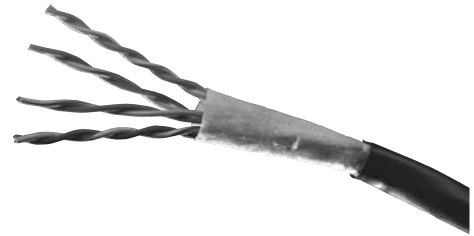




Data Connectivity Products

Category 5e – The Outback® Outdoor Cable

The Outback cable is a 4-pair, 24 gauge, Category 5e data cable designed for outdoor use. The cable combines excellent transmission and weather resistant properties. It is intended for outdoor installation, in buried conduit, or as aerial cable. The core contains a heat and water-blocking tape, which isolates the core from extreme temperature and moisture.



Category 5e The Outback® Cable is protected
by US Patent 6153826

Common Applications

- 4/16Mbps Token Ring (IEEE 802.5)
- 10Base-T (IEEE 802.3)
- 100Mbps TP-PMD
- Broadband and baseband video
- 100Base-T (Fast Ethernet)
- 100Base-T4 (Fast Ethernet)
- 100Base-TX (Fast Ethernet)
- 100VG-AnyLAN (IEEE 802.12)
- 52/155Mbps ATM (ATM Forum)
- 622Mbps ATM (ATM Forum)
- 1000Base-T (Gigabit Ethernet)
- 1Gbps Networking System (WGNA)

Compliances

- TIA/EIA-568-B.2 Category 5e horizontal cable requirements

Specifications

CONSTRUCTION

Conductors:	24 AWG solid bare copper
Insulation:	100% Polyolefin
Pairing:	Short, staggered pair lays
Color-coding:	See Technical Reference Section, UTP color-code table
Core tape:	Heat and moisture barrier core wrap
Jacket:	Linear low-density Polyethylene, black

ELECTRICAL CHARACTERISTICS

Conductor DC resistance (maximum):	28.6Ω /1000 feet (9.38Ω/100 meters) @20° C
DC resistance unbalance (maximum):	2%
Mutual capacitance (maximum):	17 pF/foot (5.6nF/100 meters)
Operating temperature (maximum):	75° C
Operating voltage (maximum):	300VDC
Worst case cable skew:	45 nS/100 meters @100 MHz
Nominal velocity of propagation:	69% @100MHz

Performance information follows on the next page





Data Connectivity Products

Category 5e – The Outback® Outdoor Cable

Freq (MHz)	Impedance (Ohms)		Attenuation (dB)		Return Loss (dB)		Attenuation-To-NEXT-Ratio			
	Characteristic Typical	Input Typical	Typical	Spec	Typical	Spec	Pair-To-Pair (dB/100m)		PowerSum (dB/100m)	
							Typical	Spec	Typical	Spec
1	100 ± 10	100 ± 10	1.8	2.0	44.5	20.0	85.3	63.3	78.8	60.3
4	100 ± 8	100 ± 10	3.7	4.1	46.2	23.0	73.4	52.2	66.3	49.2
8	100 ± 6	100 ± 10	5.2	5.8	45.1	24.5	65.4	46.0	58.6	43.0
10	100 ± 6	100 ± 10	5.8	6.5	41.6	25.0	64.7	43.8	58.1	40.8
16	100 ± 5	100 ± 10	7.5	8.2	44.5	25.0	60.4	39.0	53.1	36.0
20	100 ± 5	100 ± 10	8.4	9.3	44.3	25.0	58.5	36.5	51.5	33.5
25	100 ± 4	100 ± 10	9.4	10.4	43.4	24.3	54.6	33.9	48.1	30.9
31.25	100 ± 4	100 ± 10	10.5	11.7	43.5	23.6	53.1	31.2	45.5	28.2
62.5	100 ± 3	100 ± 10	15.1	17.0	41.4	21.5	43.6	21.4	36.8	18.4
100	100 ± 3	100 ± 10	19.5	22.0	42.1	20.1	36.0	13.3	29.9	10.3
155	100 ± 3	100 ± 10	24.4		43.7		27.7		21.0	
200	100 ± 3	100 ± 10	27.8		39.6		22.2		15.8	
250			31.5		38.6		17.1		10.5	
300			34.8		40.0		13.4		6.5	
350			37.6		37.5		8.8		2.3	

Freq (MHz)	NEXT				ELFEXT			
	Pair-To-Pair (dB/100m)		PowerSum (dB/100m)		Pair-To-Pair (dB/100m)		PowerSum (dB/100m)	
	Typical	Spec	Typical	Spec	Typical	Spec	Typical	Spec
1	87.1	65.3	80.6	62.3	85.0	63.8	77.5	60.8
4	77.1	56.3	70.1	53.3	75.2	51.8	66.5	48.8
8	70.6	51.8	63.9	48.8	67.4	45.7	59.1	42.7
10	70.8	50.3	63.9	47.3	65.4	43.8	57.9	40.8
16	67.8	47.2	60.6	44.2	60.8	39.7	53.5	36.7
20	66.9	45.8	59.9	42.8	58.6	37.8	51.4	34.8
25	64.0	44.3	57.5	41.3	56.3	35.8	49.5	32.8
31.25	63.6	42.9	56.1	39.9	55.0	33.9	48.2	30.9
62.5	58.6	38.4	51.9	35.4	48.9	27.9	42.0	24.9
100	55.5	35.3	49.5	32.3	45.2	23.8	38.7	20.8
155	52.1		45.4		41.2		34.8	
200	49.9		43.6		38.2		31.5	
250	48.5		42.1		35.0		28.6	
300	48.2		41.4		32.4		26.2	
350	46.4		39.9		29.6		22.6	

Note: The above listed discrete frequency electrical performance values are provided for engineering information only. Actual compliance testing is based on swept frequency measurements. The spec values are also based on the TIA/EIA-568-B.2 specification.

Ordering information follows on the next page





Data Connectivity Products

Category 5e – The Outback® Outdoor Cable

Ordering Information

Description	Weight (Lbs/kft)	Catalog Number
4-pair cable Nominal OD: 0.22" (5.59 mm) black jacket Reel packaging-1000'	21	TN5ETOSP-BK02





Data Connectivity Products

Category 5e Patch Panels

ADC TrueNet® Category 5e patch panels provide Category 5e performance in a high-density design with concise station and port labeling.



24-port enhanced patch panel A/B



24-port enhanced patch panel, paper labels, A/B



48-port enhanced patch panel A/B



48-port enhanced patch panel, paper labels, A/B

Features

- UL 1863 certified and Category 5e performance verified
- Include rear wire manager
- Wire can be terminated with either a KRONE or 110 tool
- 45 degree silver-plated IDCs provide secure, reliable gas-tight connection
- Include paper labels or silk-screened area for station identification
- Universal wiring label for easy termination of either T568A/B
- Patch panels are designed to support Gigabit Ethernet transmission speeds
- Panels can be rack mounted in standard EIA 19-inch racks or wall mounted using optional 19-inch hinged wall mount brackets

Ordering Information

Description	Dimensions	Catalog Number
24-port silk-screened patch panel, T568A/B compatible <i>Quantity: 1</i>	1.75" x 19" x 1.5" (44.45 mm x 482.6 mm x 38.1 mm)	6653 1 585-24
48-port silk-screened patch panel, T568A/B compatible <i>Quantity: 1</i>	3.5" x 19" x 1.5" (88.9 mm x 482.6 mm x 38.1 mm)	6653 1 585-48
24-port patch panel with snap-in port ID tabs and paper labels, T568A/B compatible <i>Quantity: 1</i>	1.75" x 19" x 1.5" (44.45 mm x 482.6 mm x 38.1 mm)	6653 1 587-24
48-port patch panel with snap-in port ID tabs and paper labels, T568A/B compatible <i>Quantity: 1</i>	3.5" x 19" x 1.5" (88.9 mm x 482.6 mm x 38.1 mm)	6653 1 587-48





Data Connectivity Products

Category 5e Dynamic Angle Right/Left Patch Panels

The TrueNet® dynamic angle right/left panel offers superior performance and flexibility. Unlike fixed angle right/angle left panels, ADC's patented solution combines the ability to dynamically angle connections either right or left in a low profile. Forty-five degree silver plated IDCs can be punched down with either a standard 110 or KRONE termination tool.



Features

- Patented angle right/left eases stress on patch cords allowing for improved cable management
- Low profile dynamic angling allows for greater flexibility and use in cabinet environments
- UL 1863 certified and Category 5e performance verified
- Conductors can be terminated with either a KRONE or 110 tool
- 45 degree silver-plated IDCs provide secure, reliable gas-tight connection
- Includes adhesive paper labels for station identification
- Universal wiring label for easy termination of either T568A/B
- Patch panels are designed to support Gigabit Ethernet transmission speeds
- Panels can be rack mounted in standard EIA 19-inch racks or wall mounted using optional 19-inch hinged wall mount brackets
- Rear Wire Manager included
- TrueNet ID Tab adapter bezel included for use with TrueNet ID Tabs

Ordering Information

Description	Dimensions	Catalog Number
24-port angle right/left patch panel, T568A/B compatible <i>Quantity: 1</i>	1.75" x 19" x 1.5" (44.45 mm x 482.6 mm x 38.1 mm)	PP24AC5ET
48-port angle right/left patch panel, T568A/B compatible <i>Quantity: 1</i>	3.5" x 19" x 1.5" (88.9 mm x 482.6 mm x 38.1 mm)	PP48AC5ET



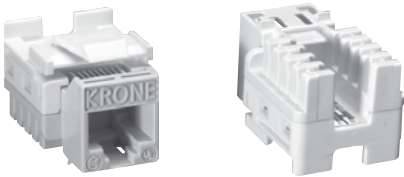


Data Connectivity Products

Category 5e K610 Series Modular Jacks

K610 series jacks are an integral part of the TrueNet® channel solution. Tuned together with other TrueNet Category 5e components and cable, K610 jacks help deliver zero bit error network performance.

The K610 series jacks can be used in ADC's modular patch panels.



K610 Series jack

Features

- Available in right angle style
- Compatible with any TrueNet® modular faceplate, modular furniture faceplate, surface box and modular patch panel
- Available in eleven colors for easy port identification
- Accept either KRONE or 110 tool for termination

Color	RJ45 T568A/B Right Angle	RJ45 USOC Right Angle	RJ11 USOC Right Angle
White	6467 5 181-20	6467 5 198-20	6467 5 195-20
Ivory	6467 5 181-10	6467 5 198-10	6467 5 195-10
Gray	6467 5 181-00	6467 5 198-00	6467 5 195-00
Black	6467 5 181-30	6467 5 198-30	6467 5 195-30
Red	6467 5 181-50	6467 5 198-50	6467 5 195-50
Blue	6467 5 181-40	6467 5 198-40	6467 5 195-40
Green	6467 5 181-80	6467 5 198-80	6467 5 195-80
Yellow	6467 5 181-90	6467 5 198-90	6467 5 195-90
Purple	6467 5 181-70	6467 5 198-70	6467 5 195-70
Orange	6467 5 181-60	6467 5 198-60	6467 5 195-60
Electrical Ivory	6467 5 181-22	6467 5 198-22	6467 5 195-22





Data Connectivity Products

Category 5e Patch Cords

These RJ45 (8P8C) plug to RJ45 plug patch cords use ADC Category 5e cable and exceed the requirements for Category 5e.

Before ordering patch cords, check the transmit and receive orientation of the hub and network interface card. Some manufacturers require a crossover of transmit and receive pairs; others have either the hub port or NIC card reversed in advance. Some can switch between the two. Please contact the ADC Technical Assistance Center with questions.



Ordering Information

Description	Cable Color	Catalog Number*
RJ45 plug to RJ45 plug, T568B, wired straight through <i>Quantity: 1</i> 	White	TP5ETA-WTXX
	Red	TP5ETA-RDXX
	Blue	TP5ETA-BLXX
	Green	TP5ETA-GNXX
	Yellow	TP5ETA-YLXX
	Gray	TP5ETA-GYXX
RJ45 plug to RJ45 plug, T568A, wired straight through <i>Quantity: 1</i> 	White	TP5ETA0WTXX
	Red	TP5ETA0RDXX
	Blue	TP5ETA0BLXX
	Green	TP5ETA0GNXX
	Yellow	TP5ETA0YLXX
	Gray	TP5ETA0GYXX
RJ45 plug to RJ45 plug, crossover wired <i>Quantity: 1</i> 	White	TP5ETACWTXX
	Red	TP5ETACRDXX
	Blue	TP5ETACBLXX
	Green	TP5ETACGNXX
	Yellow	TP5ETACYLXX
	Gray	TP5ETACGYXX

*Replace XX with: 04 = 4' 10 = 10' 25 = 25'
 07 = 7' 15 = 15' 50 = 50'



Data Connectivity Products

Fast Ethernet Patch Panels

Features

- Durable, quality construction for maximum performance
- Saves time in moves, adds, and changes
- Features secure and convenient 25-pair connections on the rear
- Modular 8-pin, 4-pair jacks on the front
- 5100 pin-out is 1, 2-3, 6
- 5800 has all pairs wired
- Includes write-on labels on front
- 5100 supports 10Base-T and 100Base-T Ethernet
- 5800 supports 10/100 and 1000Base-T Ethernet
- Optional icons speed circuit identification



5100 patch panel, 48-port

The first step to integrate Fast Ethernet traffic into a twisted pair network is to terminate both station side and equipment side connections on high performance ADC patch panels.

For the Ethernet switching system, 5100 and 5800 patch panels provide convenient 25-pair (50-pin) female RJ21x connections on the rear, with rugged 8-pin modular jacks on the front. Port identification is accomplished with write-on port labels and optional icons.

Ordering Information

Description	Pin-Out	Port Count	Rear Connector	Rack Units	Catalog Number
5100 patch panel	1, 2-3, 6	24	RJ21x	2	ADCPP245100TEL
5100 patch panel	1, 2-3, 6	48	RJ21x	2	ADCPP485100TEL
5800 patch panel, T568B	1-8	24	RJ21x	1	ADCPP245800BTCL
5800 patch panel, T568B	1-8	48	RJ21x	2	ADCPP485800BTCL

Dimensions (W X H)

- 1 RU** 19" x 1.75" (482.6 x 44.5 mm)
2 RU 19" x 3.50" (482.6 x 88.9 mm)



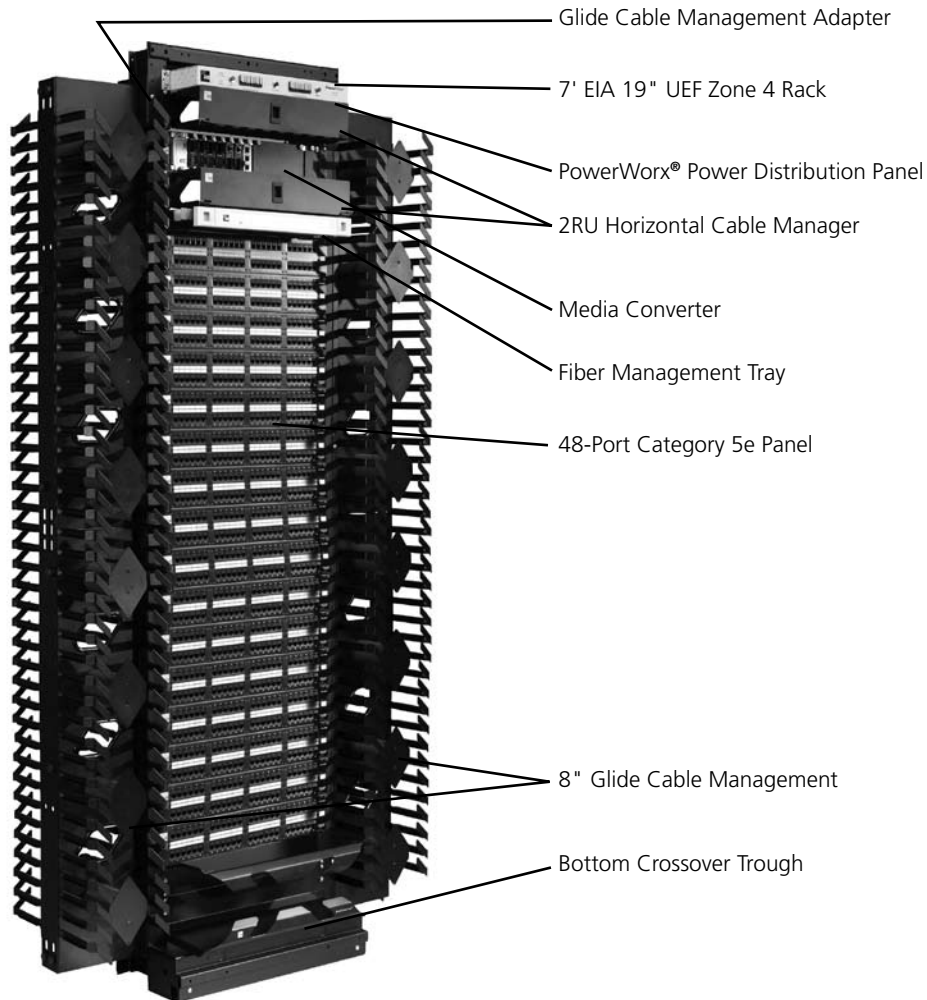


Data Connectivity Products

Ethernet Distribution Frame

ADC's Ethernet Distribution Frame (EDF) forms a central patching location between active Ethernet network elements. By creating a centralized craft interface for adds, upgrades, and rearrangements on Ethernet equipment, the EDF enables change without service disruptions. This central patching location provides a logical and easy-to-manage infrastructure due to two design characteristics:

- All network elements have permanent equipment cable connections that are, once terminated, never handled again.
- All changes, circuit rerouting, upgrades, maintenance and other activities are accomplished using semi-permanent patch cords on the front of the EDF cross-connect bay.

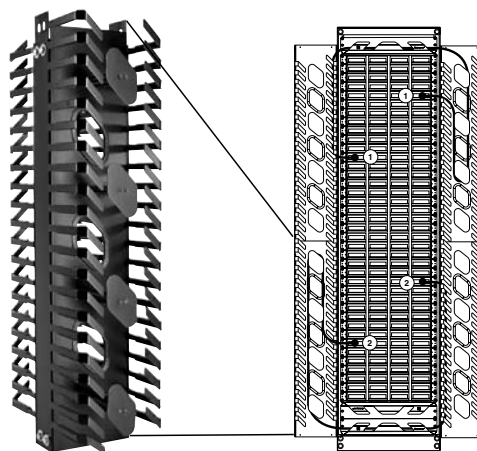




Data Connectivity Products

Vertical and Horizontal Cable Management

Glide Cable Manager



Upper and lower crossover managers
with vertical cable managers enable easy,
intuitive cable routing.

Features

- Integrated front, rear, horizontal, and vertical cable management
- Patented rib cage design eliminates horizontal support trays and bars
- Supports up to 912 ports on a single rack
- Built-in bend radius protection ensures network integrity
- Designed for quick and easy moves, adds, and changes
- Optional slack managers available for 6-, 8-, 10-, and 12-inch widths
- Fits standard EIA rack with three-inch channel
- Used for single rack or as inter-rack unit
- Optional crossover troughs and horizontal cable managers available
- Optional EIA-standard horizontal support bars available





Data Connectivity Products

Vertical and Horizontal Cable Management

Glide Cable Manager

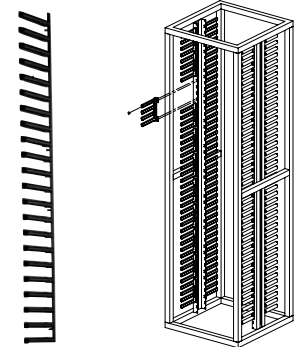
Ordering Information

Description	Catalog Number
Glide cable manager, vertical mount; to equip both sides of a 7-foot rack, order two Glide Cable Manager units	
6", front only, without slack manager	ADCCMVIB06F-2
6", front only, with slack manager	ADCCMVIBS06F-2
6", without slack manager	ADCCM-06
8", without slack manager	ADCCM-08
10", without slack manager	ADCCM-10
12", without slack manager	ADCCM-12
6", with slack manager	ADCCMS-06
8", with slack manager	ADCCMS-08
10", with slack manager	ADCCMS-10
12", with slack manager	ADCCMS-12
Crossover trough, 2RU	ADCCMTG02
Crossover trough, 4RU	ADCCMTG04
Hinged black metal cover kits; to equip both sides of a 7' rack (front and back), order 2 cover kits.	
41" x 6"	ADCCMVIBC06B4
41" x 8"	ADCCMVIBC08B4
41" x 10"	ADCCMVIBC10B4
41" x 12"	ADCCMVIBC12B4
Hinged black metal cover kits; to equip both sides of a 7' rack (front only), order 2 cover kits. These covers are for Glide Cable Managers ADCCMVIB06F-2 and ADCCMVIBS06F-2 only.	
41" x 6", two per pack	ADCC06-2
Glide cable manager, cabinet mount—ships 4 per pack	
6" x 10 RU	ADCCMVIB-CB10-4
6" x 20 RU	ADCCMVIB-CB-4
Glide cable manager, cabinet mount, with cable retention—ships 4 per pack	
3" x 20 RU	ADCCMVIB-3CB20-4
6" x 20 RU	ADCCMVIB-6CB20-4

Notes: Equips standard 7' cabinet with front or rear cable management.
Order two 4-packs to equip front and rear of cabinet.



Glide Cable Manager
shown in cabinet



Glide Cable Manager,
cabinet mount





Data Connectivity Products

Vertical and Horizontal Cable Management

Glide Cable Manager

Ordering Information

Description	Catalog Number
Crossover troughs 2RU, black 4RU, black, 23" rack 4RU, black	ADCCMTG02 ADCCMTG04-23 ADCCMTG04
Horizontal cable managers 2RU 3RU 4RU With slack managers, 3RU With slack managers, 4RU	ADCCMHIB-2U ADCCMHIB-3U ADCCMHIB-4U ADCCMHIBS-3U ADCCMHIBS-4U
Rear cable management bar, 19" 1" extension	ADCCMRSB
Rear cable management bar, 19" 4" extension	ADCCMRSB-4
Slack manager	ADCCMVIBSP
Stabilizers 6.18" 8.38" 10.18" 12.18"	ADCCMVESB06 ADCCMVESB08 ADCCMVESB10 ADCCMVESB12
Extender brackets, 19" to 23" 1RU 2RU 4RU	EB-17B EB-35B EB-70B



2RU crossover trough



4RU crossover trough



Horizontal cable manager



Stabilizer



Slack manager

Note: Stabilizer used at end of lineup for each Vertical Integrator section.

Ordering Information

Description	Spacing	Catalog Number
7' equipment racks Self-assembly aluminum relay rack, 3" channel Black Brushed aluminum Welded steel relay rack, 3" channel, black Welded steel relay rack, Zone 4 rated, black Unequal flange Network unequal flange	19" EIA 19" EIA 19" EIA 19" EIA 23" EIA	ADCRACKBLK73 ADCRACKMF73 ADCRACKBLK73WS ADCRACKBLK73UE-75 PWUEF-7ERN-BLK





Data Connectivity Products

Vertical and Horizontal Cable Management

Finger Duct Front Managers

ADC's Front Managers are great for organizing patch cords with modular patch panels. They fit on a standard EIA 19" equipment rack. The managers are made of UL 94V-0 plastic and include a snap-on cover.



Finger Duct Front Manager, 1.5"x 3"

Ordering Information		
Description	Dimensions (HxWxD)	Catalog Number
1.5"x 3" Front Manager, <i>Pack Quantity: 1</i>	1.75" x 19" x 3.5" (44.45 mm x 482.6 mm x 88.9 mm)	6652 2 153-00
3"x 3" Front Manager, <i>Pack Quantity: 1</i>	3.5" x 19" x 3.5" (88.9 mm x 482.6 mm x 88.9 mm)	6652 2 330-00

Finger Duct Front and Rear Managers

These large capacity managers provide ample room for organizing both incoming cables and patch cords with modular patch panels. They fit on a standard EIA 19" equipment rack. The managers are made of UL 94V-0 plastic and include snap-on covers.



Finger Duct Front and Rear Manager,
3"x 3" Front and 3"x 4" Rear

Ordering Information		
Description	Dimensions (HxWxD)	Catalog Number
1.5"x 3" Front Manager and 1"x 4" Rear Manager, <i>Pack Quantity: 1</i>	1.75" x 19" x 3.5" (44.45 mm x 482.6 mm x 88.9 mm)	6652 2 153-14
3"x 3" Front Manager and 2"x 4" Rear Manager, <i>Pack Quantity: 1</i>	3.5" x 19" x 3.5" (88.9 mm x 482.6 mm x 88.9 mm)	6652 2 330-24
3"x 3" Front Manager and 3"x 4" Rear Manager, <i>Pack Quantity: 1</i>	3.5" x 19" x 4.5" (88.9 mm x 482.6 mm x 114.3 mm)	6652 2 330-34



Data Connectivity Products

Vertical and Horizontal Cable Management

Vertical Cable Manager for 7' Equipment Racks

ADC's Vertical Cable Manager mounts between standard 7' equipment racks to provide neat and orderly routing of cables and jumpers.

Each Vertical Cable Manager includes two covers, front and rear. The fingers in the channel are spaced to provide easy entrance and exit of cables while still maintaining control of the cable bend radii. For increased accessibility, the fingers break away, leaving a smooth edge for the protection of cable jackets. Mounting brackets are included.



Vertical Cable Manager,
35" tall



Vertical Cable Manager,
83" tall

Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
4"x 5" Front and 4"x 5" Rear Manager, 35" Tall, <i>Pack Quantity: 1</i>	34.6" x 4" x 5" (878.84 mm x 101.6 mm x 127.0 mm)	ADCCMVIB06F-2
4"x 5" Front and 4"x 5" Rear Manager, 83" Tall, <i>Pack Quantity: 1</i>	34.6" x 4" x 5" (878.84 mm x 101.6 mm x 127.0 mm)	ADCCMVIBS06F-2

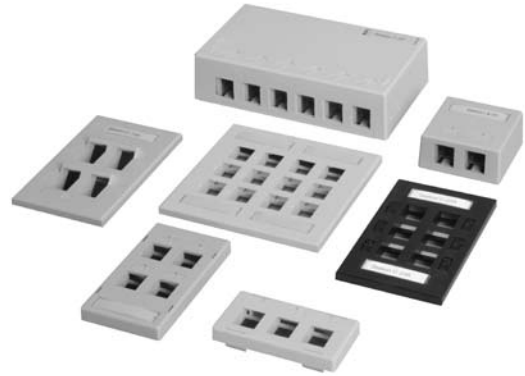


Data Connectivity Products

TrueNet® Workstation Faceplates and Surface Mount Boxes

As a part of the work area solution products from ADC's TrueNet structured cabling system, ADC offers a variety of traditional faceplates, modular furniture faceplates and surface mount boxes to provide the basis for a wide range of possible information outlet combinations. With a single-gang faceplate capacity up to six-ports, a dual-gang faceplate capacity of 12-ports, and up to a 12-port surface mount box, ADC can provide the density for the most demanding installation.

The TrueNet Workstation faceplates and surface mount boxes accept any combination of ADC's keystone modular jacks and connectors. The variety of reversible-icon and color ID tabs for labeling provides a versatile and highly visible information outlet system.



Applications

- Workstation mounting platform for voice, video and data keystone modular connectors.

Features

- Made of durable ABS Plastic
- All faceplates fit standard NEMA single- or dual-gang faceplates as indicated





Data Connectivity Products

TrueNet® Workstation Faceplates and Surface Mount Boxes

Specifications

Operating Temperature Range:

-10° TO 70 °C (14° TO 158 °F)

Material Construction:

ABS PLASTIC

Flammability Rating:

UL 94-V0

Safety Rating:

UL 1863

Single-Gang Faceplates

All single-gang faceplates fit standard, single-gang box; include 2 blank paper labels, 2 clear plastic label protectors, 1 logo insert, reversible-icon ID tabs numbered 1-6 (icon colors match faceplate), mounting screws (#6-32x15/16")

Ordering Information

Description	Dimensions	Catalog Number*
2-port flush mount single-gang faceplate 2 outlet labeling areas and 2 individual port ID areas	4.5" x 2.75" x 0.25" (114.5 x 70.0 x 6.35 mm)	6644 1 152-XX
4-port flush mount single-gang faceplate 2 outlet labeling areas and 4 individual port ID areas	4.5" x 2.75" x 0.25" (114.5 x 70.0 x 6.35 mm)	6644 1 154-XX
6-port flush mount single-gang faceplate 2 outlet labeling areas and 6 individual port ID areas	4.5" x 2.75" x 0.25" (114.5 x 70.0 x 6.35 mm)	6644 1 156-XX
4-port angled single-gang faceplate 2 outlet labeling areas and 4 individual port ID areas	4.5" x 2.75" x 0.25" (114.5 x 70.0 x 6.35 mm)	6644 1 174-XX

* Replace XX in catalog number to indicate color:

01 = White

02 = Ivory

03 = Gray

04 = Black

22 = Electrical Ivory

Dual-Gang Faceplates

Dual-gang faceplates require standard NEMA dual-gang opening of at least 3.563" x 2.75"; include 4 blank paper labels, 4 clear plastic label protectors, logo inserts, reversible-icon ID tabs numbered 1-6 (icon colors match faceplate), 4 mounting screws (#6-32x15/16")

Ordering Information

Description	Dimensions	Catalog Number*
4-port flush mount dual-gang faceplate 4 outlet labeling areas and 4 individual port ID areas	4.5" x 4.94" x 0.25" (114.5 x 125.48 x 6.35 mm)	6644 1 164-XX
8-port flush mount dual-gang faceplate 4 outlet labeling areas and 8 individual port ID areas	4.5" x 4.94" x 0.25" (114.5 x 125.48 x 6.35 mm)	6644 1 168-XX
12-port flush mount dual-gang faceplate 4 outlet labeling areas and 12 individual port ID areas numbered consecutively left to right, top to bottom.	4.5" x 4.94" x 0.25" (114.5 x 125.48 x 6.35 mm)	6644 1 157-XX
8-port angled dual-gang faceplate 4 outlet labeling areas and 8 individual port ID areas; Not compatible with dual-gang mud rings.	4.5" x 4.94" x 0.25" (114.5 x 125.48 x 6.35 mm)	6644 1 178-XX

* Replace XX in catalog number to indicate color:

01 = White

02 = Ivory

03 = Gray

04 = Black

22 = Electrical Ivory





Data Connectivity Products

Modular Furniture Faceplates

TrueNet modular furniture faceplates are compatible with leading office furniture and accept TrueNet modular jacks and connectors. Contact ADC Technical Assistance Center for specific model compatibility.

Ordering Information

Description	Dimensions	Modular Furniture Compatibility	Catalog Number*
2-port horizontal faceplate Designed for horizontal orientation; features 1 outlet labeling area, 2 individual port ID areas, ID tabs hide faceplate mounting screws. Includes 2 blank paper labels, 1 clear plastic label protectors, reversible-icon ID tabs numbered 1-6 (icon colors match faceplate), mounting screws (#6-32x15/16" with custom head)	69.85 x 114.3 x 6.35 mm (2.75" x 4.5" x 0.25")	Fits standard NEMA openings in modular furniture raceways or standard single-gang boxes	6644 1 112-XX
3-port modular furniture faceplate Recommended opening: 2.65" x 1.377" (67.31 x 34.98 mm). Maximum thickness: 0.06" (1.52 mm). Contains 3 individual port ID areas; includes 6 reversible-icon ID tabs numbered 1-6 (icon colors match faceplate)	40.9 x 79.5 x 9.65 mm (1.61" x 3.13" x 0.38")	Steelcase 9000, Steelcase Avenir, Steelcase Context, AllSteel 8000, Knoll Morrison, Knoll Reff, Haworth Places and Unigroup, Haworth Places, Haworth Premise, Haworth Race	6644 1 143-XX
4-port modular furniture faceplate Fits openings: 1.890" x 1.920" (48 x 48.77 mm) high. 2.572" to 3.866" (65.33 to 98.2 mm) wide. Maximum thickness: 0.08" (2.03 mm). Features 1 outlet labeling area, 4 individual port ID areas; includes 2 blank paper labels, 1 clear plastic label protector, 1 logo insert, 6 reversible-icon ID tabs numbered 1-6 (icon colors match faceplate)	55.12 x 99 x 9.65 mm (2.17" x 3.9" x 0.38")	Herman Miller - Action Office 1, Herman Miller - Action Office 2, Herman Miller - Action Office 3, Herman Miller - Ethospace (baseline), Herman Miller, Phoenix, Kimball	6644 1 144-XX
4-Port Beltline Adapter for Herman Miller Ethospace furniture	2.45" x 4.20" x 0.36"	Herman Miller - Ethospace	6644 3 299-XX

* Replace XX in catalog number to indicate color:

01 = White 02 = Ivory 03 = Gray 04 = Black





Data Connectivity Products

Surface Mount Boxes

Ordering Information

Description	Dimensions	Catalog Number*
2-port surface mount box Features 1 outlet labeling area and 2 individual port ID areas. Includes 1 blank paper label, 1 clear plastic label protectors, 1 logo insert, reversible-icon ID tabs numbered 1-6 (icon colors match faceplate), and hook-and-loop fastener strips. Knockouts allow cable and raceway access	1" x 2.25" x 2.31" (25.4 x 57.2 x 58.67 mm)	6644 1 222-XX
4-port surface mount box Features 1 outlet labeling area and 4 individual port ID areas. Includes 1 blank paper label, 1 clear plastic label protectors, reversible-icon ID tabs numbered 1-6 (icon colors match faceplate), 1 screw for locking down cover and hook-and-loop fastener strips. Knockouts allow cable and raceway access	2.88" x 4.25" x 1" (73.15 x 107.95 x 25.4 mm)	6644 1 224-XX
6-port surface mount box Features 2 outlet labeling area and 6 individual port ID areas. Includes 1 blank paper label, 1 clear plastic label protectors, reversible-icon ID tabs numbered 1-6 (icon colors match faceplate), 2 mounting screws (#6-32x15/16") and hook-and-loop fastener strips. Knockouts allow cable access from 3 sides	3.38" x 6" x 1.5" (85.85 x 152.4 x 38.1 mm)	6644 2 201-XX
12-port surface mount box Features discrete port labeling and 6-port cable guides for cable management.	1.61" x 3.13" x 0.38" (40.9 x 79.5 x 9.65 mm)	6644 1 460-XX

* Replace XX in catalog number to indicate color:

01 = White 02 = Ivory 03 = Gray 04 = Black 22 = Electrical Ivory

Accessories

Ordering Information

Description	Catalog Number*
ID tabs with icons numbered 1-6 Set of 6 reversible ID tabs numbered 1-6. Snap into individual port identification area above jack or connector opening. Data icon on one side, voice icon on other; same number appears on both sides	6631 2 125-XX
Paper labels for faceplates Adhesive labels come pre-cut on white 8.5" x 11" sheet, 190 labels per sheet. Accommodates hand or laser printing. Fit in label area on front of modular faceplates.	6631 3 100-06

* Replace XX in catalog number to indicate color for ICON's:

01 = White 02 = Ivory 03 = Gray 04 = Black 05 = Red
06 = Blue 07 = Green 08 = Yellow 09 = Purple 10 = Orange

