

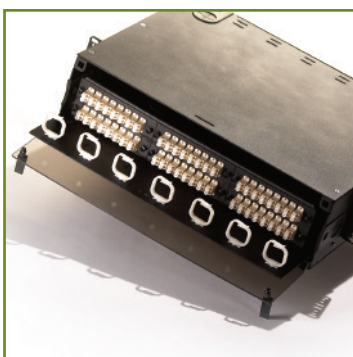
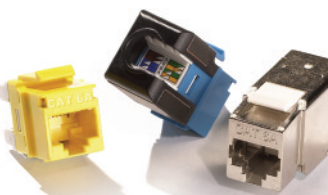
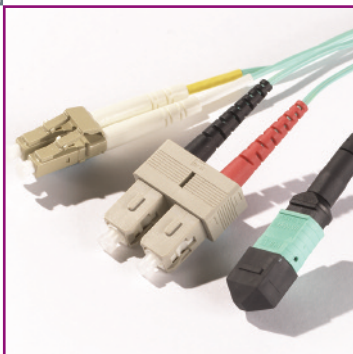
PREMISE CONNECTIVITY SYSTEMS



# Catalog

2009

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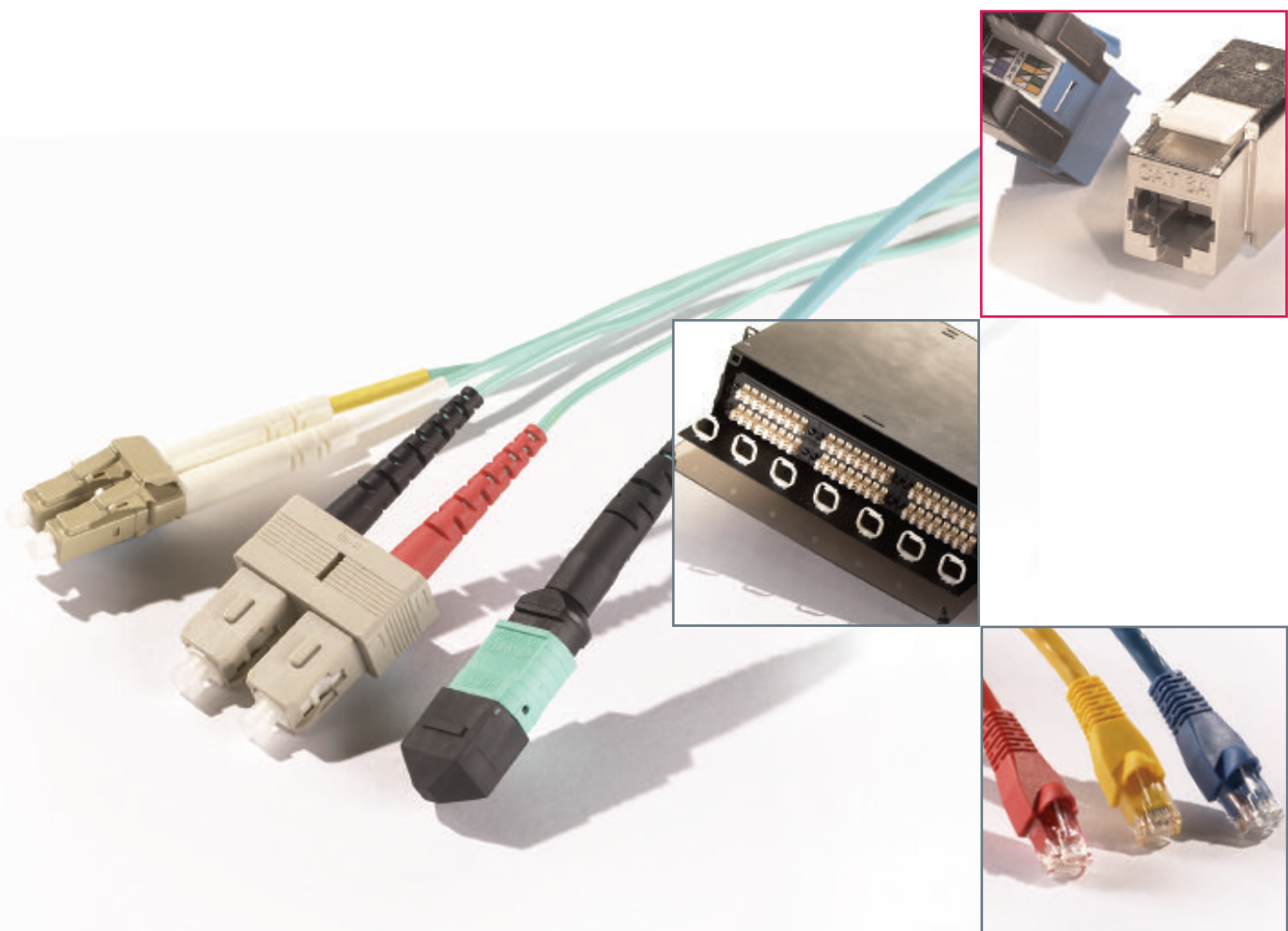
**SIGNAMAX**<sup>™</sup>  
CONNECTIVITY SYSTEMS



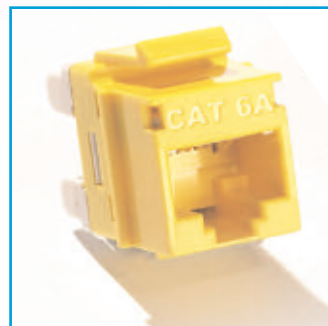
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# KEEPING YOUR WORLD Connected



**SIGNAMAX**<sup>™</sup>  
CONNECTIVITY SYSTEMS



**Bicsi**<sup>®</sup>  
CORPORATE  
MEMBER



ISO 9001 : 2008 Registered



In today's technology-driven environment, staying connected to staff, customers, suppliers and the world at large are key components of your business. To run a successful enterprise, you need a network that is fast, reliable, and ready to support the growth and change your business will experience. The supplier that can provide you with a network infrastructure that is up to those challenges is Signamax Connectivity Systems.

Our mission is to provide for your total network connectivity needs from end to end — from the server to the user's workstation, in any premise and campus environment from the home, office, the data center, and the factory floor. While other premise connectivity systems suppliers promise end-to-end solutions, Signamax delivers, with both high-performance network solutions and connectivity systems to make them run more effectively.

The Signamax Premise Connectivity System enables you to build a cabling infrastructure engineered to accommodate any of your information transport systems, starting from traditional voice and ending with multi-Gigabit and multimedia applications. Our system is comprised of cabling solutions for your distribution cabling, telecommunications spaces, cross-connects, and work areas, with a wide range of high-value, high-performance copper and optical fiber components, all designed to work together as a system. Whether you are upgrading a category 5e network, building a category 6 platform, or implementing new category 6A systems, Signamax has a broad spectrum of solutions. From the smallest project to the largest, enterprise-wide fiber-to-the-desk installa-

tion, Signamax can provide the scope of network configurations you will need to support your business.

You'll find that our products are designed to install with greater ease, and bring an unparalleled level of performance and reliability to your network. Our systems are designed for the most demanding applications, are engineered to meet stringent standards and specifications and backed by our comprehensive Cabling System Warranty Program. Each product is manufactured to the highest quality standards, and then tested to ensure that it exceeds the industry standards, such as ANSI/TIA, ISO/IEC and IEEE. The strength and integrity of our Premise Connectivity System is backed by the skills and experience of our technical staff.

In addition, Signamax Network Connectivity Systems also provides media conversion products that work in concert with your cabling system. These products are optimized for use in either standard commercial or harsh environment applications. They allow single-mode or multimode fiber optic cable to augment the copper-based cabling plan when distances exceed 100 meters, or when high RFI/EMI environments exist.

At Signamax, we're dedicated to making your business run more efficiently, with network solutions backed by long-term performance warranties that provide the peace of mind you want when selecting systems to support your network. So, if you want to keep your world connected, choose the supplier that can make it happen: Signamax Connectivity Systems.



## Category 6A 10G Connectivity System

For the highest level cabling system performance, specify the new Signamax Category 6A Connectivity System. This ultrahigh-performance system has been designed to meet 10 Gigabit IEEE 802.3an transmission requirements and is guaranteed to exceed ANSI/TIA-568-C.2 Category 6A and ISO Class E<sub>A</sub> performance requirements.

Designed to support applications from the data center to the work area, the Signamax Category 6A System delivers both advanced

performance and reliability for the most demanding network requirements. The Signamax Category 6A System is available in an unscreened (UTP) and a fully shielded screened version (FTP/STP), both designed to eliminate alien crosstalk, which ensures the performance of 10GBASE-T network applications. System components include modular connectors, patch panels and patch cords engineered to deliver guaranteed performance for today's most demanding applications.

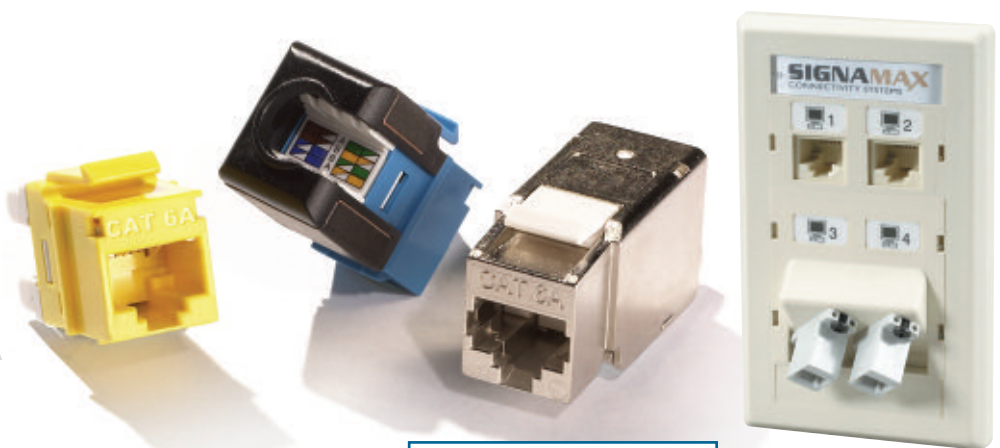
Section

A

### Category 6A

## Work Area Outlets

Signamax Category 6A Keystone Jacks exceed TIA Category 6A performance specifications and feature a metalized plastic cable retention cap, which eliminates alien crosstalk for maximum performance. The screened connectors are fully shielded to optimize protection from EMI and feature a toolless termination method.



CAT

# 6A

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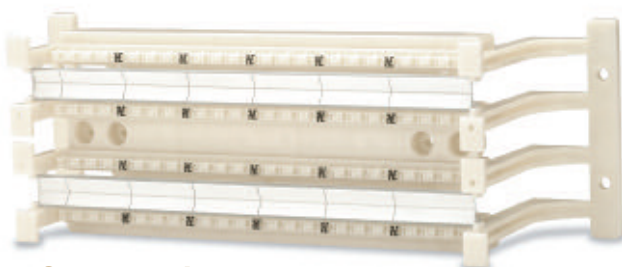
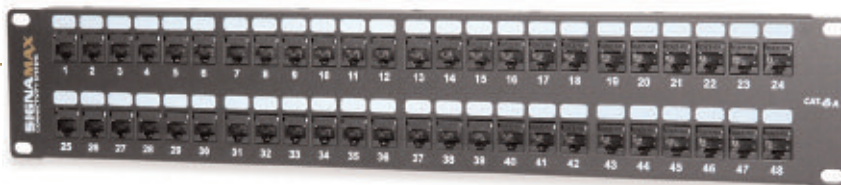
## Section

# B

### Category 6A

## Patch Panels

Signamax Category 6A patch panels are designed for high performance, high-density and ease of installation. These high-density panels are available in 24- and 48-port sizes and are provided with newly designed rear cable management bars. For higher density application, a 48-port 1-RMS panel is available.



### Category 6A

## Cross Connect

In order to provide additional flexibility in cabling configurations with consolidation points (CP) in an open office environment, Signamax specifies as a CP its high-performance Category 6 connecting blocks having enough transmission performance headroom to meet Category 6A channel specifications. Unique design and orientation of connecting block contacts allow to effectively avoid alien crosstalk, ensuring stable 10GBASE-T channel performance.

### Category 6A

## Patch Cords

## Section

# C



Signamax Category 6A Patch Cords incorporate a slim-profile design for use in high-density applications and are designed to exceed TIA Category 6A performance. Cords are 100% tested and support Category 6A 100-meter channel requirements.

## Category 6 Connectivity System

The Signamax Category 6 Connectivity System is designed to exceed TIA Category 6 and ISO Class E performance specifications. With usable bandwidth beyond 250 MHz, the Signamax Category 6 Connectivity Systems provides a powerful, cost-effective platform to support the most bandwidth-intensive applications.

At the heart of the Signamax Category 6 Systems is the advanced design of our Category 6 connectors. These key system elements have been designed with a specific geometry that provides for short transmission

paths between termination points and mating contacts, as well as a unique pair separation layout that assures signal integrity. The space-efficient design of the Signamax modular jack enables it to be used in the highest-density applications that you're sure to encounter both in the telecommunications room and work areas. Signamax connectors, outlets, patch panels, connecting blocks and patch cords are combined in the Signamax Category 6 System, to provide an advanced-performance solution for today's most demanding applications, as well as to support new, emerging technologies.

Section

A

### Category 6

## Work Area Outlets

Signamax Category 6 Work Area products offer both performance and flexibility. The single and dual port front-loading Category 6 Connector Modules and Category 6 Keystone Jacks both exceed ANSI/TIA-568-C.2 performance specifications.





# CAT

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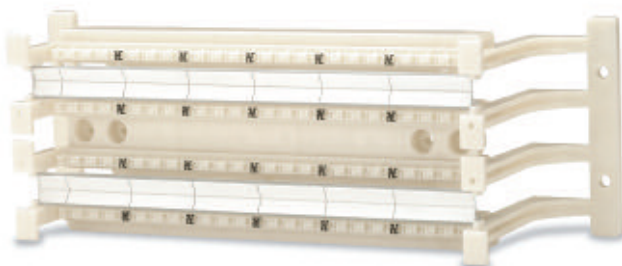
## Section

# B



## Category 6 Patch Panels

Signamax Category 6 patch panels are designed for high-performance, high-density and ease of installation. Panels are available in a variety of port sizes for both rack and wall mount applications. Patch panels exceed Category 6 performance as specified in ANSI/TIA-568-C.2.



## Category 6

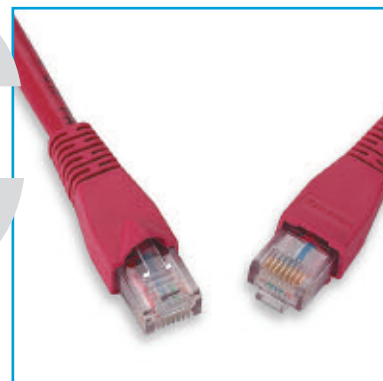
# Cross Connect

The Signamax Category 6 Cross-Connect System, to support high-performance networks, exceeds Category 6 ANSI/TIA-568-C.2 performance requirements. Blocks are designed with the same footprint as standard 50-, 100- and 300-pair blocks. Patch cords are available in 110/110 and 110/RJ-45 styles.

## Category 6 Patch Cords

## Section

# C



Signamax continues to set the standard for high-performance, high-quality patch cords. These Category 6 cables are manufactured to the strictest performance requirements, as specified in ANSI/TIA-568-C.2, using a special, higher-performance plug design and cable construction. All Category 6 cords are 100% transmission tested to ensure superior performance.

## Category 5e Connectivity System

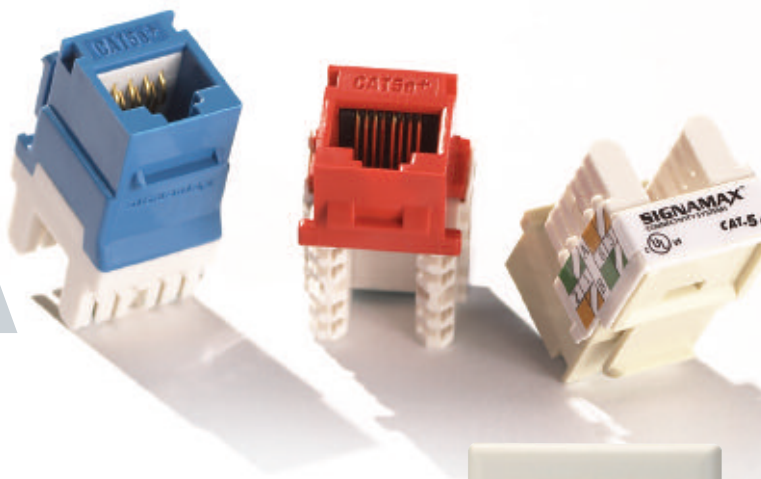
The Signamax Category 5e Connectivity System provides superior transmission performance, by combining our Category 5e patch panels, work area products, patch cords and 110 cross-connects products. All Category 5e products are engineered to exceed ANSI/TIA-568-C.2 specifications to ensure support for the most demanding network applications. With usable bandwidth beyond 150 MHz, the Signamax Category 5e system

combines exceptional value, performance and reliability for today's mission-critical networks.

Specify the Signamax Category 5e Cabling System for applications, such as 10/100BASE-TX and 1000BASE-TX networks. Use the appropriate performance-rated jacks, outlet modules, patch panels, connecting blocks and patch cords, with qualified cable, to construct the Signamax performance-rated Category 5e Connectivity System. It's that simple.

Section

A



### Category 5e

## Work Area Outlets

Offered in both a keystone type and a front-load, front-removable modular system, Signamax Category 5e Work Area products offer flexibility and ease of installation for any application. All connector modules and jacks exceed both component and channel performance standards as defined in ANSI/TIA-568-C.2.



CAT

5e

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## Section

B

### Category 5e Patch Panels

Signamax Category 5e patch panels have been engineered for high-performance, high-density and ease of installation. Panels are available in a variety of port sizes for both rack and wall mount application. Panels exceed both component and channel performance as specified in ANSI/TIA-568-C.2.



### Category 5e

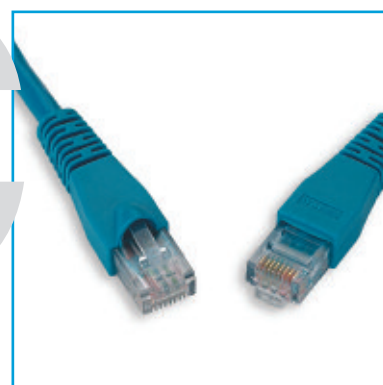
## Cross Connect

Signamax Category 5e 110 Cross-Connect system is designed for durability and ease of installation as well as performance. When used as a transition point or as a primary part of your connectivity system, optimum channel performance is ensured. Patch Cords are available in 110/110 and 110/RJ-45 styles.

### Category 5e Patch Cords

## Section

C



Signamax Category 5e Patch Cords provide an increased level of channel performance and are available in a variety of lengths and colors. Category 5e Patch Cords feature molded boots for improved reliability and performance. All cords are 100% transmission tested.



## Optical Fiber Systems

Signamax Connectivity Systems offers one of the broadest array of solutions for Premises Optical Fiber cabling system designs. From the work area to the data center, Signamax has the solution to meet your needs.

Optical Fiber products include rack mount distribution enclosures designed to support up to 288-fibers and feature a slide-out tray for easy access. Our wall mount enclosures support up to 96 fibers and feature front access hinged doors; two versions are equipped with an additional lockable security door. A full range of optical fiber connector-adapted plates compatible with all Signamax wall and rack mount enclosures is available with fiber counts up to 24 per adapted plate.

Signamax offers a wide range of Optical Fiber Patch Cords including 62.5- and 50- $\mu$ m multi-

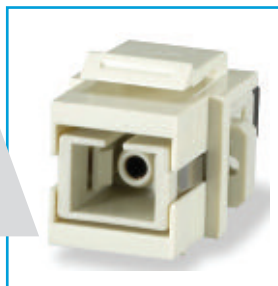
mode, singlemode and 50- $\mu$ m laser-optimized (LO) multimode supporting 10-Gigabit applications. All cords are 100% factory tested for insertion and return loss to ensure performance per ANSI/TIA-568-C.3 specifications.

The new Signamax Plug-and-Play Pre-Terminated Optical Fiber System is ideal for data center applications and offers superior performance, high-density and reduced installation time

Whether your network is copper-based, or copper/fiber-based, Signamax can work with you to develop an integrated solution from entrance-facility to work area, with products designed for each cable type, yet designed to work as a system, a capability few suppliers can offer.

Section

A



## Work Area Outlets

Work-area Optical Fiber Outlets can be addressed in either single-unit keystone faceplate types, or the Signamax Modular System, which offers solutions for straight or angled cable exit, often desired in work area applications. Work area solutions support all major connector types.



## Section

D

## Rack-mount

## Enclosures

Rack mount enclosures are designed for maximum density, ease of inspection and maintenance convenience. Enclosures are available to accommodate from 12 to 288 fibers and feature a front slide-out tray for easy access to patch cord connections. A wide range of fiber connector adapter plates are available for ST, SC, LC and MT-RJ coupling types.



## Wall-mount

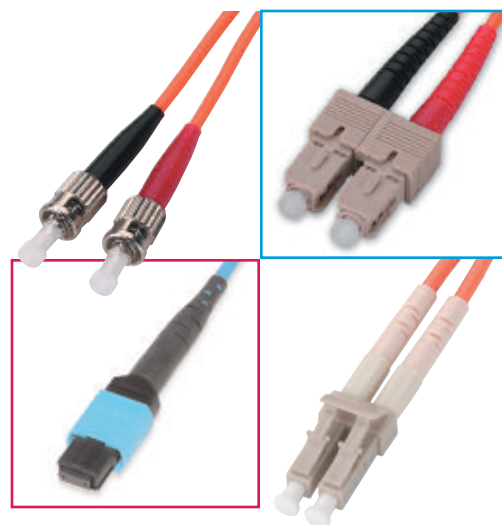
## Enclosures

Wall mount enclosures enable optical fiber cables to be easily managed and accessed. These enclosures provide for cable slack storage and tie-down, in single- and dual-module styles. Fiber capacity is up to 48 fibers in the single- plate enclosure and 96 fibers in the dual-plate type. Cable entry/exit is enabled from above or below the enclosure, with cable management provisions for both cabling options.



## Fiber Optic

## Patch Cords



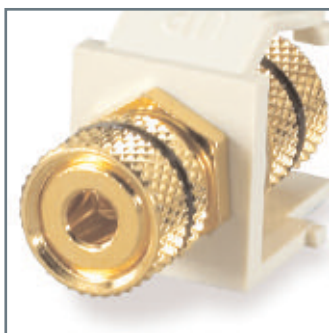
Signamax offers a comprehensive line of optical fiber patch cords for cross-connect or work area applications. Patch cords are available in simplex or duplex, multimode (62.5- $\mu$ m or 50- $\mu$ m) or single-mode with ST, SC and small form factor connectors including LC and MT-RJ. Patch cords are manufactured using OFNR riser grade cable and are 100% factory tested to ensure performance to ANSI/TIA-568-C.3 standards.

## Work Area Outlet Systems

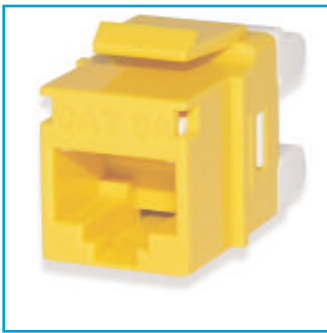


Premise Connectivity Systems

# Work Area



**OUTLET  
SYSTEMS**



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## Category 6A 10G Keystone Jacks

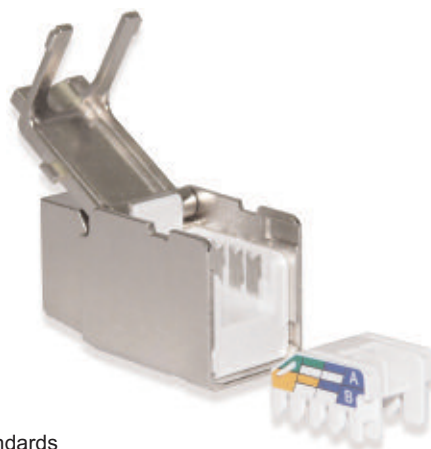
Signamax Category 6A 10G Keystone Jacks have been designed to meet 10 Gigabit Ethernet IEEE 802.3an rev. 1.0 transmission requirements and are guaranteed to exceed ANSI/TIA-568-C.2 performance specifications. Category 6A connectors are slim in profile for the highest density applications.

Jacks support both T568A and T568B wiring schemes for maximum flexibility using an easy-to-read color-code wiring label and can be terminated using standard single-position 110 tool. The connectors contact design provides enhanced plug-to-jack connection integrity, protects against damage caused by insertion of 4- or 6-position plugs and is rated for a minimum of 750 plug insertions providing for the highest level of system reliability.

Jacks feature the ability to mount either color-coded icons for service identification or dust covers to protect unused jacks from dust and other contaminants. Rear 110 contacts provide improved conductor retention and ease of termination. Jacks are supplied with a metallized plastic cable retention cap, which eliminates alien crosstalk for maximum performance.

### Category 6A 10G Keystone Jacks

PART NO.	DESCRIPTION	
KJ458-C6A	Category 6A 10G Keystone Jack, T568A/B Wiring, Light Ivory	
KJ458-C6A-BK	Category 6A 10G Keystone Jack, T568A/B Wiring, Black	
KJ458-C6A-BU	Category 6A 10G Keystone Jack, T568A/B Wiring, Blue	
KJ458-C6A-GN	Category 6A 10G Keystone Jack, T568A/B Wiring, Green	
KJ458-C6A-GY	Category 6A 10G Keystone Jack, T568A/B Wiring, Gray	
KJ458-C6A-OR	Category 6A 10G Keystone Jack, T568A/B Wiring, Orange	
KJ458-C6A-RD	Category 6A 10G Keystone Jack, T568A/B Wiring, Red	
KJ458-C6A-WH	Category 6A 10G Keystone Jack, T568A/B Wiring, White	
KJ458-C6A-YE	Category 6A 10G Keystone Jack, T568A/B Wiring, Yellow	



### Category 6A 10G Screened Keystone Jack

Category 6A 10G Screened Jacks are designed for the same high level of performance standards as our unscreened (UTP) jacks. This uniquely designed connector features a toolless termination method for quick and easy installation. The connectors contact design provides enhanced plug-to-jack connection integrity and is rated for a minimum of 750 plug insertions providing for the highest level of reliability. Jacks are fully shielded to optimize protection from EMI including alien crosstalk.

PART NO.	DESCRIPTION
KJS458-C6A	Category 6A 10G Screened Keystone Jack, T568A/B Wiring












## Category 6 Keystone Jacks

Category 6 Keystone Jacks have been designed to meet the need for today's high-bandwidth applications. Category 6 connectors are slim in profile for the highest density applications, and are engineered to exceed all ANSI/TIA-568-C.2 category 6 requirements.

Jacks support both T568A and T568B wiring schemes using an easy-to-read color-code wiring label and can be terminated using standard single-position 110 tools. The connectors contact design provides enhanced plug-to-jack connection integrity, protects against damage caused by insertion of 4- or 6-position plugs and is rated for a minimum of 750 plug insertions providing for the highest level of reliability. Rear 110-type contacts are designed to provide improved conductor retention and ease of termination.










Jacks feature the ability to mount either color-coded icon tabs for service identification or dust covers to protect unused jacks from dust and other contaminants. Jacks are available in nine colors and are supplied with two color-matched icon tabs and dust covers for voice or data identification.

### Category 6 Keystone Jacks

PART NO.	DESCRIPTION	
KJ458-C6C	Category 6 Keystone Jack, T568A/B Wiring, Light Ivory	
KJ458-C6C-BK	Category 6 Keystone Jack, T568A/B Wiring, Black	
KJ458-C6C-BU	Category 6 Keystone Jack, T568A/B Wiring, Blue	
KJ458-C6C-GN	Category 6 Keystone Jack, T568A/B Wiring, Green	
KJ458-C6C-GY	Category 6 Keystone Jack, T568A/B Wiring, Gray	
KJ458-C6C-OR	Category 6 Keystone Jack, T568A/B Wiring, Orange	
KJ458-C6C-RD	Category 6 Keystone Jack, T568A/B Wiring, Red	
KJ458-C6C-WH	Category 6 Keystone Jack, T568A/B Wiring, White	
KJ458-C6C-YE	Category 6 Keystone Jack, T568A/B Wiring, Yellow	

### Category 6 Channel-Level Keystone Jacks

Category 6 Channel-Level Keystone Jacks offer many of the same features as our category 6 connector. These connectors are designed for less demanding applications that do not require the highest level of performance. Channel-level jacks exceed both link and channel specifications as defined in ANSI/TIA-568-C.2.

PART NO.	DESCRIPTION	
KJ458-C6	Category 6 Channel-Level Keystone Jack, T568A/B Wiring, Light Ivory	
KJ458-C6-BK	Category 6 Channel-Level Keystone Jack, T568A/B Wiring, Black	
KJ458-C6-BU	Category 6 Channel-Level Keystone Jack, T568A/B Wiring, Blue	
KJ458-C6-GN	Category 6 Channel-Level Keystone Jack, T568A/B Wiring, Green	
KJ458-C6-GY	Category 6 Channel-Level Keystone Jack, T568A/B Wiring, Gray	
KJ458-C6-OR	Category 6 Channel-Level Keystone Jack, T568A/B Wiring, Orange	
KJ458-C6-RD	Category 6 Channel-Level Keystone Jack, T568A/B Wiring, Red	
KJ458-C6-WH	Category 6 Channel-Level Keystone Jack, T568A/B Wiring, White	
KJ458-C6-YE	Category 6 Channel-Level Keystone Jack, T568A/B Wiring, Yellow	

### Category 6 Screened Keystone Jacks

Category 6 Screened Jacks are designed for the same high level of performance standards as our unscreened jacks. This slim in profile jack is designed for the highest density applications, and is engineered to exceed all ANSI/TIA-568-C.2 category 6 requirements. Jacks are fully shielded to optimize protection from EMI.

PART NO.	DESCRIPTION
KJS458-C6C	Category 6 Screened Keystone Jack, T568A/B Wiring












## Category 5e Keystone Jacks

Category 5e Keystone Jacks are available in both a new high-density, slim profile type and a standard density size. Both jacks exceed component, permanent link and channel transmission requirements as defined in ANSI/TIA-568-C.2 providing a sound platform for supporting network operating systems including Gigabit Ethernet. The high-density jack is ideal for use with our high-density field-configurable patch panels.










Both style category 5e jacks can be terminated with industry standard 110 single-position tools and feature color-coding for both T568A and T568B wiring schemes. Jacks feature the ability to mount either color-coded icon tabs for service identification or dust covers to protect unused jacks from dust and other contaminants. Jacks are available in nine colors and are supplied with color-matched icon tabs and dust covers for voice or data identification.

### Category 5e High-Density Keystone Jacks

PART NO.	DESCRIPTION	
KJ458HD-C5E	Category 5e High-Density Keystone Jack, T568A/B, Light Ivory	
KJ458HD-C5E-BK	Category 5e High-Density Keystone Jack, T568A/B, Black	
KJ458HD-C5E-BU	Category 5e High-Density Keystone Jack, T568A/B, Blue	
KJ458HD-C5E-GN	Category 5e High-Density Keystone Jack, T568A/B, Green	
KJ458HD-C5E-GY	Category 5e High-Density Keystone Jack, T568A/B, Gray	
KJ458HD-C5E-OR	Category 5e High-Density Keystone Jack, T568A/B, Orange	
KJ458HD-C5E-RD	Category 5e High-Density Keystone Jack, T568A/B, Red	
KJ458HD-C5E-WH	Category 5e High-Density Keystone Jack, T568A/B, White	
KJ458HD-C5E-YE	Category 5e High-Density Keystone Jack, T568A/B, Yellow	



### Category 5e Keystone Jacks

PART NO.	DESCRIPTION	
KJ458-C5E	Category 5e Keystone Jack, T568A/B Wiring, Light Ivory	
KJ458-C5E-BK	Category 5e Keystone Jack, T568A/B Wiring, Black	
KJ458-C5E-BU	Category 5e Keystone Jack, T568A/B Wiring, Blue	
KJ458-C5E-GN	Category 5e Keystone Jack, T568A/B Wiring, Green	
KJ458-C5E-GY	Category 5e Keystone Jack, T568A/B Wiring, Gray	
KJ458-C5E-OR	Category 5e Keystone Jack, T568A/B Wiring, Orange	
KJ458-C5E-RD	Category 5e Keystone Jack, T568A/B Wiring, Red	
KJ458-C5E-WH	Category 5e Keystone Jack, T568A/B Wiring, White	
KJ458-C5E-YE	Category 5e Keystone Jack, T568A/B Wiring, Yellow	

### Category 5e Screened Keystone Jack

Category 5e Screened Jacks are designed for the same high level of performance standards as our unscreened jacks. This slim in profile jack is designed for the highest density applications, and is engineered to exceed all ANSI/TIA-568-C.2 category 5e requirements. Jacks are fully shielded to optimize protection from EMI.

PART NO.	DESCRIPTION
KJS458-C5E	Category 5e Screened Keystone Jack, T568A/B Wiring














## Voice-Grade Keystone Jacks

### Voice-Grade High-Density Keystone Jacks



Voice-Grade RJ-12 6-Wire High-Density Jacks are slim in profile for the highest density applications. Jacks support USOC wiring using an easy-to-read color-code wiring label and can be terminated using standard single-position 110 tools. Jacks feature the ability to mount either color-coded icon tabs for service identification or dust covers to protect unused jacks from dust and other contaminants. Jacks are available in nine colors and are supplied with color-matched icon tabs and dust covers for easy circuit identification. (Available July 2009)

PART NO.	DESCRIPTION	
KJ126HD-C3U	RJ-12 Voice-Grade High-Density Keystone Jack, USOC, Light Ivory	
KJ126HD-C3U-BK	RJ-12 Voice-Grade High-Density Keystone Jack, USOC, Black	
KJ126HD-C3U-BU	RJ-12 Voice-Grade High-Density Keystone Jack, USOC, Blue	
KJ126HD-C3U-GN	RJ-12 Voice-Grade High-Density Keystone Jack, USOC, Green	
KJ126HD-C3U-GY	RJ-12 Voice-Grade High-Density Keystone Jack, USOC, Gray	
KJ126HD-C3U-OR	RJ-12 Voice-Grade High-Density Keystone Jack, USOC, Orange	
KJ126HD-C3U-RD	RJ-12 Voice-Grade High-Density Keystone Jack, USOC, Red	
KJ126HD-C3U-WH	RJ-12 Voice-Grade High-Density Keystone Jack, USOC, White	
KJ126HD-C3U-YE	RJ-12 Voice-Grade High-Density Keystone Jack, USOC, Yellow	



### Voice-Grade Toolless Keystone Jacks

Voice-Grade 6-wire jacks utilize IDC termination, accept 22-24 AWG solid wire, and provide maximum flexibility in designing voice and low-speed data distribution systems. Termination can be done using 110 punch down tools, or by using the termination cap for fast and easy termination. The KJJ series jack can either be end- or mid-span terminated, to suit the application.

PART NO.	DESCRIPTION	
KJJ126-C3U	RJ-12 Voice-Grade Toolless Keystone Jack, USOC Wiring, Light Ivory	
KJJ126-C3U-WH	RJ-12 Voice-Grade Toolless Keystone Jack, USOC Wiring, White	



### Category 6 and Category 5e Feed-Thru Couplers

Feed-thru couplers are available in both category 6 and category 5e performance levels and are compatible with all Signamax faceplates, surface mount multimedia boxes and field-configurable patch panels.

PART NO.	DESCRIPTION
KRJ45/6S	Category 6 Feed-Thru Coupler
KRJ45/6S-SH	Category 6 Screened Feed-Thru Coupler
KRJ45/5S	Category 5e Feed-Thru Coupler
KRJ45/5S-SH	Category 5e Screened Feed-Thru Coupler



## Keystone Jack Accessories

### Keystone Jack Dust Covers and Icon Tabs

Designation icons and dust covers can be specified, for providing both port protection and color-coding. Icons and dust covers are sold in packages of 50.

PART NO.	DESCRIPTION
DDC-50D-IV	Designation Dust Covers, Data, Package of 50, Light Ivory
DDC-50V-IV	Designation Duct Covers, Voice, Package of 50, Light Ivory
DIT-50D-IV	Designation Icon Tabs, Data, Package of 50, Light Ivory
DIT-50V-IV	Designation Icon Tab, Voice, Package of 50, Light Ivory

Standard color: Light Ivory

For other colors add the following to P/N

-BK (Black) -BU (Blue) -GN (Green) -GY (Gray) -OR (Orange) -RD (Red) -WH (White) -YE (Yellow)



### Keystone Jack Termination Fixture

The universal wiring fixture is compatible with both Category 5e, 6 and 6A connectors. It helps to facilitate wire orientation and termination on-site.

PART NO.	DESCRIPTION
KJ-TF	Keystone Jack Termination Fixture

### Termination Tools

Signamax single-position termination tool is a versatile impact tool designed to terminate and cut twisted-pair cable conductors. Our single-position impact tool is available to terminate all Signamax keystone jacks and is spring-loaded and tension-adjustable.

PART NO.	DESCRIPTION
T110	Single-Position 110 Impact Termination Tool
T110BL	Single-Position 110 Termination Blade



## Industrial Grade Jacks

Signamax industrial grade jacks provide the same high-level transmission performance as other Signamax twisted-pair connectors intended for regular commercial applications, but with a robustness capable to withstand harsh environments typical to factory floors, chemical, food processing plants, etc. Unique IP67-rated jack housing design guarantees superb protection against liquid and solid agents' penetration, against vibrations, and for a long-life reliable performance. Jacks are furnished with dust caps to prevent exposure of unmated connectors and are available in an unscreened (UTP) and screened (FTP) versions.



### Category 6 Industrial Grade Jacks

PART NO.	DESCRIPTION
KJ458IG-C6C	Category 6 Industrial Grade Jack with Protective Cap, T568A/B Wiring, IP67 Rated
KJS458IG-C6C	Category 6 Screened Industrial Grade Jack with Protective Cap, T568A/B Wiring, IP67 Rated



### Category 5e Industrial Grade Jacks

PART NO.	DESCRIPTION
KJ458IG-C5E	Category 5e Industrial Grade Jack with Protective Cap, T568A/B Wiring, IP67 Rated
KJS458IG-C5E	Category 5e Screened Industrial Grade Jack with Protective Cap, T568A/B Wiring, IP67 Rated



See page A17 for Industrial Grade Faceplates and Surface Mount Boxes



See pages C6 and C7 for Industrial Grade Patch Cords and Field Installable Plugs

# Keystone Multimedia Modules

## Blank Keystone Module

Blank Modules cover up unused port openings on all Signamax keystone faceplates and surface mount boxes. Blank Modules are sold in packages of 10.

PART NO.	DESCRIPTION
CMK-BL	Blank Keystone Module

Standard color: Light Ivory

For other colors add the following to P/N -BK (Black) -GY (Gray) -WH (White)



## F-Type Connector Modules

F-Type feed-thru modules are compatible with all Signamax keystone faceplates and surface-mount boxes. Connectors are 75 Ohm and rated for 1 or 3 GHz performance.

PART NO.	DESCRIPTION
CMK-F	F-Type Keystone Connector Module, 1 GHz
CMK-F3	F-Type Keystone Connector Module, 3 GHz

Standard color: Light Ivory

For other colors add the following to P/N -BK (Black) -GY (Gray) -WH (White)



## BNC Connector Modules

BNC Modules are compatible with all Signamax keystone faceplates and surface-mount boxes. The BNC modules provide one feed-thru connection.

PART NO.	DESCRIPTION
CMK-BNC	50-Ohm BNC Keystone Connector Module
CMK-BNC75	75-Ohm BNC Keystone Connector Module

Standard color: Light Ivory

For other colors add the following to P/N -BK (Black) -GY (Gray) -WH (White)



## RCA-110 Connector Modules

The RCA-to-110 modules enable transmission of audio/video signals over category 5e or 6 UTP cabling and feature 110-type IDC terminations on rear for quick, easy installation. RCA modules are offered in five colors to indicate connection type.

PART NO.	DESCRIPTION
CMK-110RCAW	RCA White-to-110 Keystone Connector Module
CMK-110RCAR	RCA Red-to-110 Keystone Connector Module
CMK-110RCAY	RCA Yellow-to-110 Keystone Connector Module
CMK-110RCAB	RCA Blue-to-110 Keystone Connector Module
CMK-110RCAG	RCA Green-to-110 Keystone Connector Module

Standard color: Light Ivory

For other colors add the following to P/N -BK (Black) -GY (Gray) -WH (White)



# Keystone Multimedia Modules

## RCA Feed-Thru Connector Modules

Modules are available with RCA feed-thru (female-to-female) connectors. RCA modules are offered in five colors to indicate connection type.

PART NO.	DESCRIPTION
CMK-RCAW	RCA White Feed-Thru Keystone Connector Module
CMK-RCAR	RCA Red Feed-Thru Keystone Connector Module
CMK-RCAY	RCA Yellow Feed-Thru Keystone Connector Module
CMK-RCAB	RCA Blue Feed-Thru Keystone Connector Module
CMK-RCAG	RCA Green Feed-Thru Keystone Connector Module

Standard color. Light Ivory

For other colors add the following to P/N -BK (Black) -GY (Gray) -WH (White)



## SVHS-110 Connector Module

The SVHS-to-110 modules enables connection to your video systems using category 5e or 6 cabling and feature 110-type IDC terminations on rear for quick, easy installation. These modules provide a cost-effective alternative to running S-Video cabling.

PART NO.	DESCRIPTION
CMK-110SVHS	SVHS-to-110 Keystone Connector Module

Standard color. Light Ivory

For other colors add the following to P/N -BK (Black) -GY (Gray) -WH (White)



## 3-Way Binding Post Connector Modules

3-Way Binding Post Modules provide termination options for banana plugs, speaker tips, spade tips or bare wire. Binding post modules are available with red or black color code.

PART NO.	DESCRIPTION
CMK-RA	Red 3-Way Binding Post Keystone Connector Module
CMK-BA	Black 3-Way Binding Post Keystone Connector Module

Standard color. Light Ivory

For other colors add the following to P/N -BK (Black) -GY (Gray) -WH (White)



## Optical Fiber Connector Modules

Optical Fiber Modules bring ST, SC, LC and MT-RJ fiber connectors to the workstation. Fiber couplers are provided with phosphor bronze sleeves suitable for both multimode and singlemode applications.

PART NO.	DESCRIPTION
CMK-ST	ST MM/SM Keystone Connector Module
CMK-SC	SC MM/SM Keystone Connector Module
CMK-MTRJ	MTRJ MM/SM Keystone Connector Module
CMK-LC	LC MM/SM Keystone Connector Module

Standard color. Light Ivory

For other colors add the following to P/N -BK (Black) -GY (Gray) -WH (White)





# Keystone Faceplates



## Single-Gang Faceplates

Single-gang faceplates are available in 1-, 2-, 3-, 4- or 6-port versions and allow for mounting any combination of keystone jacks and multimedia modules.

PART NO.	DESCRIPTION
SKF-1	1-Port Single-Gang Keystone Faceplate
SKF-2	2-Port Single-Gang Keystone Faceplate
SKF-3	3-Port Single-Gang Keystone Faceplate
SKF-4	4-Port Single-Gang Keystone Faceplate
SKF-6	6-Port Single-Gang Keystone Faceplate

Standard color. Light Ivory

For other colors add the following to P/N -BK (Black) -GY (Gray) -WH (White)



## Single-Gang Oversized Faceplates

Single-gang oversized faceplates are available in 1-, 2-, 3-, 4- or 6-port versions and allow for mounting any combination of keystone jacks and multimedia modules. Oversized faceplates are 4.875" x 3.125" x .375", provide a designer look and hide irregular drywall cuts and flaws around outlets.

PART NO.	DESCRIPTION
SKFM-1	1-Port Single-Gang Oversized Keystone Faceplate
SKFM-2	2-Port Single-Gang Oversized Keystone Faceplate
SKFM-3	3-Port Single-Gang Oversized Keystone Faceplate
SKFM-4	4-Port Single-Gang Oversized Keystone Faceplate
SKFM-6	6-Port Single-Gang Oversized Keystone Faceplate

Standard color Light Ivory For other colors add the following to P/N -WH (White)

# Keystone Faceplates



## Single-Gang Faceplates with Labeling Windows

Faceplates are available in 1-, 2-, 3-, 4- or 6-port versions and allow for mounting any combination of keystone jacks and multimedia modules. These faceplates feature top and bottom designation labeling windows for convenient faceplate identification.

PART NO.	DESCRIPTION
SKFL-1	1-Port Single-Gang Keystone Faceplate with Labeling Windows
SKFL-2	2-Port Single-Gang Keystone Faceplate with Labeling Windows
SKFL-3	3-Port Single-Gang Keystone Faceplate with Labeling Windows
SKFL-4	4-Port Single-Gang Keystone Faceplate with Labeling Windows
SKFL-6	6-Port Single-Gang Keystone Faceplate with Labeling Windows

Standard color. Light Ivory

For other colors add the following to P/N -BK (Black) -GY (Gray) -WH (White)



## Single-Gang Angled Faceplates with Labeling Windows

Angled faceplates are available in 2- and 4-port versions. These plates allow an angled patch cord exit to prevent damage and help maintain the bend radius of patch cords. Faceplates feature designation labeling windows for faceplate identification.

PART NO.	DESCRIPTION
SKFLA-2	2-Port Single-Gang Angled Keystone Faceplate with Labeling
SKFLA-4	4-Port Single-Gang Angled Keystone Faceplate with Labeling

Standard color. Light Ivory For other colors add the following to P/N -WH (White)



# Keystone Faceplates



## Single-Gang Stainless Steel Faceplates

Single-gang brushed stainless steel faceplates allow mounting any combination of keystone jacks and multimedia modules. These faceplates allow for flush mounting of jacks and for a clean appearance. Stainless steel faceplates are ideal for use in environments that require greater durability and a sanitary, easy-to-clean solution.

PART NO.	DESCRIPTION
SSKF-1	1-Port Single-Gang Stainless Steel Keystone Faceplate
SSKF-2	2-Port Single-Gang Stainless Steel Keystone Faceplate
SSKF-3	3-Port Single-Gang Stainless Steel Keystone Faceplate
SSKF-4	4-Port Single-Gang Stainless Steel Keystone Faceplate
SSKF-6	6-Port Single-Gang Stainless Steel Keystone Faceplate
SSKFL-1	1-Port Single-Gang Stainless Steel Faceplate w/Labeling Windows
SSKFL-2	2-Port Single-Gang Stainless Steel Faceplate w/Labeling Windows
SSKFL-3	3-Port Single-Gang Stainless Steel Faceplate w/Labeling Windows
SSKFL-4	4-Port Single-Gang Stainless Steel Faceplate w/Labeling Windows
SSKFL-6	6-Port Single-Gang Stainless Steel Faceplate w/Labeling Windows



## Keystone Wall Mount Phone Plates

Stainless steel wall mount phone plate provides a clean, easy-to-install method for mounting any wall mountable phone. Plates are standard sized and with durable mounting posts.

PART NO.	DESCRIPTION
SSKF-1P	1-Port Stainless Steel Keystone Wall Mount Phone Plate
SKF-1P	1-Port Plastic Keystone Wall Mount Phone Plate, Light Ivory
SKF-1P-WH	1-Port Plastic Keystone Wall Mount Phone Plate, White

## Keystone Faceplates



### Double-Gang Faceplates

Double-gang faceplates are available in 6-, 8- and 12-port versions and allow for mounting any combination of keystone jacks and multimedia modules.

PART NO.	DESCRIPTION
DKF-6	6-Port Double-Gang Keystone Faceplate
DKF-8	8-Port Double-Gang Keystone Faceplate
DKF-12	12-Port Double-Gang Keystone Faceplate

Standard color. Light Ivory

For other colors add the following to P/N -BK (Black) -GY (Gray) -WH (White)



### Double-Gang Faceplates with Labeling Windows

Double-gang faceplates are available in 8- and 12-port versions and allow for mounting any combination of keystone jacks and multimedia modules. These faceplates feature top and bottom designation labeling windows for convenient faceplate identification. Plates are supplied with label cards and clear labeling window covers.

PART NO.	DESCRIPTION
DKFL-6	6-Port Double-Gang Keystone Faceplate with Labeling
DKFL-12	12-Port Double-Gang Keystone Faceplate with Labeling

Standard color. Light Ivory

For other colors add the following to P/N -BK (Black) -GY (Gray) -WH (White)

# Keystone Faceplates



## Double-Gang Angled Faceplates with Labeling Windows

Angled faceplate is available in an 8-port version. This plate allows an angled patch cord exit to prevent damage and help maintain the bend radius of patch cords. Faceplate features top and bottom designation labeling windows for convenient faceplate identification. Faceplate is supplied with label cards and clear labeling window covers.

PART NO.	DESCRIPTION
DKFLA-8	8-Port Double-Gang Angled Keystone Faceplate with Labeling
Standard color	Light Ivory For other colors add the following to P/N <b>-WH (White)</b>



## Double-Gang Stainless Steel Faceplates

Double-gang brushed stainless steel faceplates are available in 8- and 12-port versions and allow for flush mounting of jacks and for a clean appearance. Stainless steel faceplates are ideal for use in environments that require greater durability and a sanitary, easy-to-clean solution.

PART NO.	DESCRIPTION
DSKF-8	8-Port Double-Gang Stainless Steel Keystone Faceplate
DSKF-12	12-Port Double-Gang Stainless Steel Keystone Faceplate

## 106-Type and Decora Faceplates and Adapters



### 106-Type Faceplates and Keystone Adapters

The 106-Type Faceplates with 2- and 4-port adapters are compatible with all Signamax keystone jacks and multimedia modules. The 106-type plates and adapters are ideal to coordinate electrical wiring devices with telecommunications outlets.

PART NO.	DESCRIPTION
SKF-106	Single-Gang 106-Type Faceplate
106A-2	2-Port 106-Type Faceplate Adapter
106A-4	4-Port 106-Type Faceplate Adapter

Standard color: Light Ivory For other colors add the following to P/N -WH (White)



### Decora-Style Faceplates and Keystone Adapters

Decora-Style Faceplates and Adapters are compatible with all Signamax keystone jacks and multimedia modules. Faceplates are available in single- and double-gang versions. Adapters are available in a variety of port sizes and are ideal for combining data, voice, audio and video in one outlet location.

PART NO.	DESCRIPTION
SKFD-1	Single-Gang Decora-Style Faceplate
DKFD-2	Double-Gang Decora-Style Faceplate
DA-BL	Blank Decora-Style Adapter
DA-1	1-Port Decora-Style Keystone Adapter
DA-2	2-Port Decora-Style Keystone Adapter
DA-3	3-Port Decora-Style Keystone Adapter
DA-4	4-Port Decora-Style Keystone Adapter
DA-6	6-Port Decora-Style Keystone Adapter

Standard color: Light Ivory For White add the following to P/N -WH (White)

# Surface Mount Faceplate Boxes



## Surface Mount Faceplate Boxes

Surface mount faceplate boxes are available to accommodate both single-gang and double-gang faceplates. Boxes provide knockouts on all sides for easy cable entry and are supplied with mounting hardware.

PART NO.	DESCRIPTION
SMB1-SG	Single-Gang Surface Mount Faceplate Box
SMB2-DG	Double-Gang Surface Mount Faceplate Box

Standard color: Light Ivory

For other colors add the following to P/N -GY (Gray) -WH (White)



## Modular Furniture Keystone Adapters

Modular furniture adapters accept all Signamax jacks and multimedia modules and are available in 2- and 4-port versions. Adapters fit into standard modular furniture openings.

PART NO.	DESCRIPTION
FAK-3	3-Port Modular Furniture Adapter
FAK-4	4-Port Modular Furniture Adapter

Standard color: Light Ivory

For other colors add the following to P/N -BK (Black) -GY (Gray) -WH (White)

## Surface Mount Multimedia Boxes



### Surface Mount Multimedia Boxes

Surface mount multimedia boxes are available in a 1-, 2-, 4- and 6-port versions and support all Signamax keystone jacks and multimedia modules.

PART NO.	DESCRIPTION
SMKL-1	1-Port Surface Mount Multimedia Box
SMKL-2	2-Port Surface Mount Multimedia Box
SMKL-4	4-Port Surface Mount Multimedia Box
SMKL-6	6-Port Surface Mount Multimedia Box

Standard color. Light Ivory

For other colors add the following to P/N -GY (Gray) -WH (White)



### Surface Mount Tamper-Proof Multimedia Boxes

The 3-port tamper-proof surface mount multimedia box, a new addition to the Signamax multimedia box series, provides protection of patch cord connection points, which gives the installation an additional flexibility at such locations as open office environments, warehouses, lobbies/hallways, etc.

PART NO.	DESCRIPTION
SMKT-3	3-Port Surface Mount Tamper-Proof Multimedia Box

Standard color. Light Ivory

For other colors add the following to P/N -GY (Gray) -WH (White)

## Industrial Grade Faceplates and Surface Mount Boxes



### Industrial Grade Stainless Steel Faceplates

Single-gang industrial faceplates are available in a 1- or 2-port version and accept both category 6 and category 5e Industrial Jacks. Faceplates are supplied with a rear sealing gasket and mounting screws. Faceplates are IP44 rated.

PART NO.	DESCRIPTION
SSKFIG-1	1-Port Industrial Grade Stainless Steel Faceplate
SSKFIG-2	2-Port Industrial Grade Stainless Steel Faceplate



### Industrial Grade Surface Mount Boxes

Harsh Environment / Industrial Surface Mount Boxes are available in 1-, 2-, 3-, and 4-port versions and will accept both category 6 and category 5e Industrial Jacks. These boxes are designed to mount on any surface and provide IP66/IP67 rating. Boxes are supplied with cable entry compression fittings and mounting screws.

PART NO.	DESCRIPTION
SMKIG-1	1-Port Industrial Grade Surface Mount Box
SMKIG-2	2-Port Industrial Grade Surface Mount Box
SMKIG-3	3-Port Industrial Grade Surface Mount Box
SMKIG-4	4-Port Industrial Grade Surface Mount Box



## International Outlets and Surface Mount Boxes



### Single- and Dual-Port Keystone Outlets

International outlets are designed for creating work area connections based on popular European outlet mounting format (mounting box/faceplate size – 85 x 85 mm). The two-piece design hides slots and screw heads under a decorative faceplate allowing a clean, elegant solution suitable for any application. Clear plastic label covers provide an easy-to-read labeling solution. Integrated spring shutters protect jacks from dust and other solid agents' penetration in unmated state. Snap-on decorative faceplate does not require tools for replacement and can be installed after all office fit-out works are finished. Outlets are compatible with all Signamax UTP and fiber keystone jacks.

PART NO.	DESCRIPTION
SKFL-1S-85-WH	1-Port Keystone International Outlet, 85 x 85 mm, White
SKFL-2S-85-WH	2-Port Keystone International Outlet, 85 x 85 mm, White



### Single- and Dual-Port Angled Keystone Outlets

Angled outlets are designed for creating work area connections based on popular European outlet mounting format (85 x 85 mm). The two-piece design hides slots and screw heads under a decorative faceplate allowing a clean, elegant solution suitable for any application. Clear plastic label covers provide an easy-to-read labeling solution. Integrated hinged shutters protect jacks from dust and other solid agents' penetration in unmated state. Angled jack mounting helps to eliminate protrusion and compensate the weight of connected equipment cord preventing its damage due to tension and excessive bend radius. Snap-on decorative faceplate does not require tools for replacement and can be installed after all office fit-out works are finished. Outlets are compatible with all Signamax UTP and fiber keystone jacks.

PART NO.	DESCRIPTION
SKFL-1A-85-WH	1-Port Angled Keystone International Outlet, 85 x 85 mm, White
SKFL-2A-85-WH	2-Port Angled Keystone International Outlet, 85 x 85 mm, White

### Surface Mount Box for 85 x 85 mm International Outlets

PART NO.	DESCRIPTION
SMB-85-WH	Surface Mount Box for 85 x 85 mm International Outlets, White



# Modular Outlet System



## Single- and Double-Gang Faceplates

Single- and Double-Gang Faceplates provide a mounting method for a broad range of connector modules. Faceplates feature front-loading of connector modules with a snap-in process allowing additions or outlet configuration changes to be made quickly. Faceplates have both top and bottom labeling windows for station identification and are supplied with white cards and clear label covers. For installations which require an aesthetically pleasing look color-coded inserts are provided to replace labels and hide the mounting screws. The single-gang faceplate can accommodate up to three connector modules for a total of 6 connections. The double-gang plate provides double the capacity for 12 connections in a single location.

PART NO.	DESCRIPTION
SGF-06	Single-Gang Faceplate with 2 ID Labels, 2 Clear ID Covers, 2 Color-Coded Screw Covers and Mounting Screws
DGF-012	Double-Gang Faceplate with 2 ID Labels, 2 Clear ID Covers, 2 Color-Coded Screw Covers and Mounting Screws

Standard color Light Ivory For other colors add the following to P/N -WH (White)

## Category 6 and Category 5e Connector Modules

Category 6 and 5e Connector Modules are available in a single- and dual-port configuration. Connector modules feature a front-loading snap-in design, allowing quick and easy outlet configuration and field changes. Modules are compatible with T568A/B wiring schemes using an easy-to-read color-coded wiring label.

PART NO.	DESCRIPTION
SCM145-C6C	1-Port Category 6 Connector Module, T568A/B Wiring
SCM245-C6C	2-Port Category 6 Connector Module, T568A/B Wiring
SCM145-C5E	1-Port Category 5e Connector Module, T568A/B Wiring
SCM245-C5E	2-Port Category 5e Connector Module, T568A/B Wiring

Standard color Light Ivory For other colors add the following to P/N -WH (White)



## Voice-Grade Connector Modules

Voice-Grade modules are available with RJ-12 6P/6C connectors. Modules are compatible with USOC wiring in both single- and dual-port configurations.

PART NO.	DESCRIPTION
SCM112-C3U	1-Port RJ-12 6-Wire Connector Module, USOC Wiring
SCM212-C3U	2-Port RJ-12 6-Wire Connector Module, USOC Wiring

Standard color Light Ivory For other colors add the following to P/N -WH (White)



# Modular Outlet System

## ST Fiber Connector Module

ST Fiber Modules provide two ST feed-thru couplers in both straight (180°) and angled (45°) cable exit designs. ST couplers are provided with phosphor bronze sleeve or ceramic sleeve for singlemode applications.

PART NO.	DESCRIPTION
SCM-2ST	2-Fiber ST MM/SM Connector Module, 180° Exit
SCM-2ST-C	2-Fiber ST SM Connector Module, 180° Exit

For 45° connector add -A to P/N

Standard color Light Ivory For other colors add the following to P/N -WH (White)



## SC Fiber Connector Module

SC Fiber Modules provide a duplex SC feed-thru coupler in both straight (180°) and angled (45°) cable exit designs. SC couplers are provided with phosphor bronze sleeve or ceramic sleeve for singlemode applications.

PART NO.	DESCRIPTION
SCM-2SC	2-Fiber SC MM/SM Connector Module, 180° Exit
SCM-2SC-C	2-Fiber SC SM Connector Module, 180° Exit
SCM-2SCA-C	2-Fiber SC APC SM Connector Module, 180° Exit

For 45° connector add -A to P/N

Standard color Light Ivory For other colors add the following to P/N -WH (White)



## LC Fiber Connector Module

LC Fiber Modules are available with one or two duplex LC feed-thru couplers in both straight (180°) and angled (45°) cable exit designs. LC couplers are provided with phosphor bronze sleeve or ceramic sleeve for singlemode applications.

PART NO.	DESCRIPTION
SCM-1LC	2-Fiber LC MM/SM Connector Module, 180° Exit
SCM-1LC-C	2-Fiber LC SM Connector Module, 180° Exit
SCM-2LC	4-Fiber LC MM/SM Connector Module, 180° Exit
SCM-2LC-C	4-Fiber LC SM Connector Module, 180° Exit

For 45° connector add -A to P/N

Standard color Light Ivory For other colors add the following to P/N -WH (White)



## MT-RJ Fiber Connector Module

MTRJ Fiber modules are available with one or two MT-RJ feed-thru couplers in both straight (180°) and angled (45°) cable exit designs.

PART NO.	DESCRIPTION
SCM-1MTRJ	2-Fiber MT-RJ MM/SM Connector Module, 180° Exit
SCM-2MTRJ	4-Fiber MT-RJ MM/SM Connector Module, 180° Exit

For 45° connector add -A to P/N

Standard color Light Ivory For other colors add the following to P/N -WH (White)



# Modular Outlet System

## Single- and Dual-Port Keystone Jack Connector Modules

Keystone jack connector modules are available in both single- and dual-port versions. Modules accommodate category 6A, 6, 5e and Voice-Grade Jacks.

PART NO.	DESCRIPTION
SCM-1-KU	1-Port Keystone Jack Connector Module
SCM-2-KU	2-Port Keystone Jack Connector Module

Standard color Light Ivory For other colors add the following to P/N -WH (White)



## Blank Module

Blank Modules fill unused space in the faceplate opening and provide for future expansion. All modules feature a front-loading snap-in design, which allows changes or additions in outlet configuration to be made easily.

PART NO.	DESCRIPTION
SCM-BL	Blank Module

Standard color Light Ivory For other colors add the following to P/N -WH (White)



## F-Type Connector Module

F-Type modules provide one or two F-type feed-thru connectors. Connectors are 75 Ohm and are rated for 3-GHz performance. Modules feature a front-loading snap-in design, allowing quick and easy outlet configuration and field changes.

PART NO.	DESCRIPTION
SCM-1F	1-Port F-Type Connector Module, 180° Exit
SCM-2F	2-Port F-Type Connector Module, 180° Exit

For 45° connector add -A to P/N

Standard color Light Ivory For other colors add the following to P/N -WH (White)



## BNC Connector Module

BNC connector modules provide one or two BNC feed-thru connectors. Modules feature a front-loading snap-in design, allowing quick and easy outlet configuration and field changes.

PART NO.	DESCRIPTION
SCM-1BNC	1-Port BNC Connector Module, 180° Exit
SCM-2BNC	2-Port BNC Connector Module, 180° Exit

For 45° connector add -A to P/N

Standard color Light Ivory For other colors add the following to P/N -WH (White)



# Modular Outlet System

## RCA Connector Modules

RCA modules provide one, two or three connectors in either feed-thru coupler or solder tail-types. Modules feature a front-loading snap-in design, allowing quick and easy outlet configuration and field changes.

PART NO.	DESCRIPTION
SCM-1R-W	1-Port RCA (White) Feed-Thru Module, 180° Exit
SCM-2R-WR	2-Port RCA (White/Red) Feed-Thru Module, 180° Exit
SCM-3R-RWY	3-Port RCA (Red/White/Yellow) Feed-Thru Module, 180° Exit
SCM-3R-RGB	3-Port RCA (Red/Blue/Green) Feed-Thru Module, 180° Exit
SCM-1RS-W	1-Port RCA (White) Solder Module, 180° Exit
SCM-2RS-WR	2-Port RCA (White/Red) Solder Module, 180° Exit
SCM-3RS-RWY	3-Port RCA (Red/White/Yellow) Solder Module, 180° Exit
SCM-3RS-RGB	3-Port RCA (Red/Blue/Green) Solder Module, 180° Exit

For 45° connector add -A to P/N

Standard color Light Ivory For other colors add the following to P/N -WH (White)



## SVGA HD-15 Connector Modules

SVGA HD-15 module provides either a female-to-female HD-15-pin connector or a HD-15 female to terminal block. Modules feature a front-loading snap-in design, allowing quick and easy outlet configuration and field changes.

PART NO.	DESCRIPTION
SCM-1VGA	1-Port SVGA HD-15 Feed-Thru Connector Module, 180° Exit
SCM-1VGATB	1-Port SVGA HD-15 Female to Terminal Block Module, 180° Exit

For 45° connector add -A to P/N

Standard color Light Ivory For other colors add the following to P/N -WH (White)



## 3-Way Binding Post Connector Module

3-Way Binding Post modules provide one red and one black binding post connector for speaker terminations. Modules feature a front-loading snap-in design, allowing quick and easy outlet configuration and field changes.

PART NO.	DESCRIPTION
SCM-2RBA	2-Port 3-Way Binding Post Connector Module, 180° Exit

For 45° connector add -A to P/N

Standard color Light Ivory For other colors add the following to P/N -WH (White)





# Modular Outlet System



## Surface Mount Multimedia Box with Cable Management

The three-module surface mount multimedia box features an integral cable management spool, for storing cable lack lengths. Port identification can be accomplished with the use of three labeling windows located on the box cover. These surface mount boxes are compatible with all copper, fiber and multimedia connector modules with 180° cable exit.



PART NO.	DESCRIPTION
SMMB-3F	3-Module Surface Mount Box with Cable Management
Standard color <span>Light Ivory</span> For other colors add the following to P/N <span>-WH (White)</span>	

## One-Module Port Surface Mount Multimedia Box

The One-Module Surface Mount Multimedia Box is a convenient way to mount connector modules in the work area, for any cable type. This single-module box consolidates cabling from behind the wall, on the wall or from surface raceways. This box is ideal for mixing cable types, and offers knockouts in the cover that permit a smooth transition to industry standard raceways.



PART NO.	DESCRIPTION
SMMB-1	One Module Surface Mount Multimedia Box
Standard color <span>Light Ivory</span> For other colors add the following to P/N <span>-WH (White)</span>	

# Modular Outlet System

## Surface Mount Faceplate Boxes

Surface mount faceplate boxes are available to accommodate both single-gang and double-gang faceplates. Boxes provide knockouts on all sides for easy cable entry and are supplied with mounting hardware.

PART NO.	DESCRIPTION
SMB1-SG	Single-Gang Surface Mount Faceplate Box
SMB1-DG	Double-Gang Surface Mount Faceplate Box

Standard color Light Ivory For other colors add the following to P/N -WH (White)



## Printable Port and Faceplate Designation Lables

Each connector module port and faceplate can be easily identified using custom printable label sheets. Label printing is made easy by using the downloadable template. Connector module features a recessed area above each port to accommodate a clean, quick labeling. Labels are supplied on an 8.5" x 11" sheet suitable for printing using most general purpose office printers.

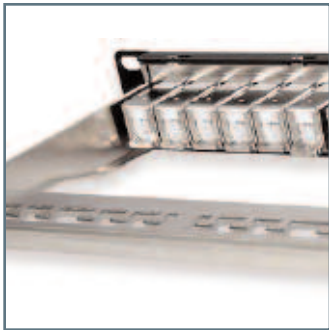
PART NO.	DESCRIPTION
DL-112-IV	Port Designation Labels, Sheet of 112 Labels, Light Ivory <span style="background-color: #f0f0f0; padding: 2px;"> </span>
DL-112-BU	Port Designation Labels, Sheet of 112 Labels, Blue <span style="background-color: #0000ff; padding: 2px;"> </span>
DL-112-GN	Port Designation Labels, Sheet of 112 Labels, Green <span style="background-color: #008000; padding: 2px;"> </span>
DL-112-OR	Port Designation Labels, Sheet of 112 Labels, Orange <span style="background-color: #ffa500; padding: 2px;"> </span>
DL-112-RD	Port Designation Labels, Sheet of 112 Labels, Red <span style="background-color: #ff0000; padding: 2px;"> </span>
DL-112-WH	Port Designation Labels, Sheet of 112 Labels, White <span style="background-color: #ffffff; padding: 2px;"> </span>
DL-112-YE	Port Designation Labels, Sheet of 112 Labels, Yellow <span style="background-color: #ffff00; padding: 2px;"> </span>
FL-100B-WH	Faceplate Designation Cards, Sheet of 100, White <span style="background-color: #ffffff; padding: 2px;"> </span>



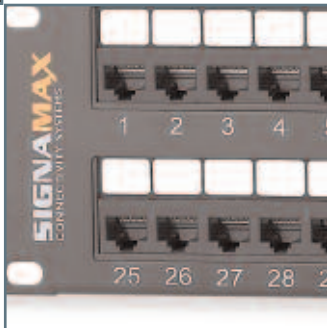
Patch Panels and Cross-Connect Systems

A decorative graphic consisting of a cluster of colored squares in shades of green, blue, orange, pink, purple, and grey, arranged in a staggered, pixelated pattern.

Premise Connectivity Systems



# Patch Panels AND Cross-Connect SYSTEMS



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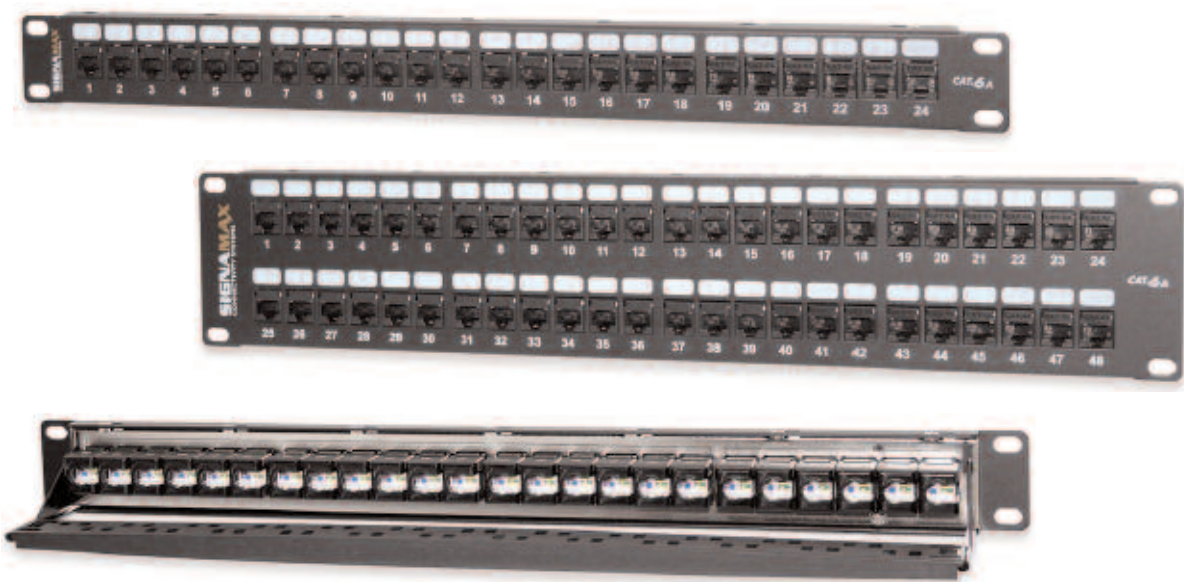
## Category 6A 10G Patch Panels

Category 6A Patch Panels are designed to meet 10 Gigabit Ethernet IEEE 802.3an rev. 1.0 transmission requirements and are guaranteed to exceed ANSI/TIA-568-C.2 performance specifications. These high-density panels are available in 24- and 48-port versions featuring a rolled edge steel construction, which provides maximum strength and durability and eliminates panel flex during termination. Panels feature port labeling areas and port numbering for easy circuit identification.

Panels are supplied preloaded with 10G connectors supporting both T568A and T568B wiring using an easy-to-read color-code wiring label and can be terminated using standard single-position 110 termination tool. This new connector design provides enhanced plug-to-jack connection integrity, protects against damage caused by insertion of 4- or 6-position plugs and is rated for a minimum of 750 plug insertions providing for the highest level of system reliability.

Jacks feature the ability to mount either color-coded icons for service identification or dust covers to protect unused jacks from dust and other contaminants. Rear 110 contacts provide improved conductor retention and ease of termination. Jacks are supplied with a metallized plastic cable protection cap, which eliminates alien crosstalk for maximum performance.

Panels are provided with a newly designed cable management bar(s) that easily mounts to the back of the panel without the need for mounting screws. This cable management bar features improved cable routing and strain relief.



### Category 6A 10G Patch Panels

PART NO.	DESCRIPTION
24458-C6A	24-Port Category 6A 10G Patch Panel, T568A/B Wiring, 1.75" High
48458-C6A	48-Port Category 6A 10G Patch Panel, T568A/B Wiring, 3.50" High

Black connectors are standard. For panels with other color connectors contact Customer Service.



### Category 6A 10G High-Density 48-Port Patch Panel

The Category 6A High-Density Panel supports 48 category 6A connectors in a 1 RMS (1.75"H) panel. This high-density panel is the ideal solution where rack space is limited. The panel is supplied as a kit which includes the panel, 48 category 6A black jacks and a cable management bar. Panel kits can be supplied with category 6A unscreened jacks of different colors, which provide additional color-coding capabilities.

PART NO.	DESCRIPTION
48458HD-C6A	48-Port Category 6A 10G High-Density Patch Panel,T568A/B, 1.75" High

Black connectors are standard. For panel kit with other color connectors contact Customer Service.



## Category 6A 10G Patch Panels



### Category 6A 10G Angled Patch Panels

Category 6A 10G Angled Patch Panels are designed to the same high level performance as our standard category 6A panel panels. Angled panels are supplied preloaded with black category 6A jacks or can be ordered unloaded for field configuration. These panel have the added feature of an angled design to help route patch cords to vertical rack or cabinet mounted cable management. This feature eliminates the need for horizontal cable management panels, which provides additional rack space in high density applications. (Available July 2009)

PART NO.	DESCRIPTION
24458A-C6A	24-Port Category 6A 10G Angled Patch Panel, T568A/B Wiring 1.75"High
48458A-C6A	48-Port Category 6A 10G Angled Patch Panel, T568A/B Wiring 3.50"High
24U-HDMMP-A-C6A	24-Port Category 6A 10G Angled Field-Configurable Unloaded Panels, 1.75"High
48U-HDMMP-A-C6A	48-Port Category 6A 10G Angled Field-Configurable Unloaded Panels, 3.50"High

Black connectors are standard. For panels with other color connectors contact Customer Service.



### Category 6A Field-Configurable Unloaded Patch Panels

Category 6A unloaded panels are available for field configuration. Panels accept 6A 10G unscreened (UTP) or screened (FTP) jacks and are supplied with cable management bar(s). These field-configurable panels provide the ability to populate only the number of ports that are needed and can be configured with connectors of different colors, which provide additional color-coding capabilities.

PART NO.	DESCRIPTION
24U-HDMMP-C6A	24-Port Category 6A Field-Configurable Unloaded Patch Panel, 1.75" High
48U-HDMMP-C6A	48-Port Category 6A Field-Configurable Unloaded Patch Panel, 3.50" High



### Category 6A High-Density Field-Configurable Unloaded Patch Panels

Category 6A high-density unloaded panel is available for field configuration. This panel supports 48 connectors in a 1 RMS (1.75"H) panel and is ideal where rack space is limited. Panels accept category 6A 10G unscreened jacks and is supplied with a cable management bar. This panel provides the ability to populate only the number of ports that are needed and can be configured with connectors of different colors, which provide additional color-coding capabilities.

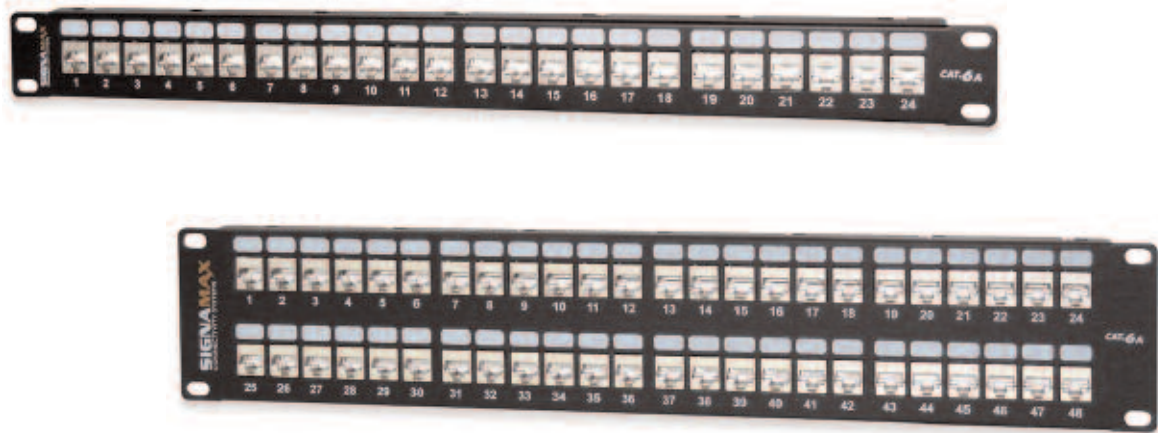
PART NO.	DESCRIPTION
48U-HDMMP-C6A-1R	48-Port Category 6A High-Density Field-Configurable Unloaded Panel, 1.75" High

# Category 6A 10G Screened Patch Panels

Category 6A Screened Patch Panels are designed to meet 10 Gigabit Ethernet IEEE 802.3an rev. 1.0 transmission requirements and are guaranteed to exceed ANSI/TIA-568-C.2 performance specifications. These high-density panels are available in 24- and 48-port versions featuring port labeling areas and port numbering for easy circuit identification.

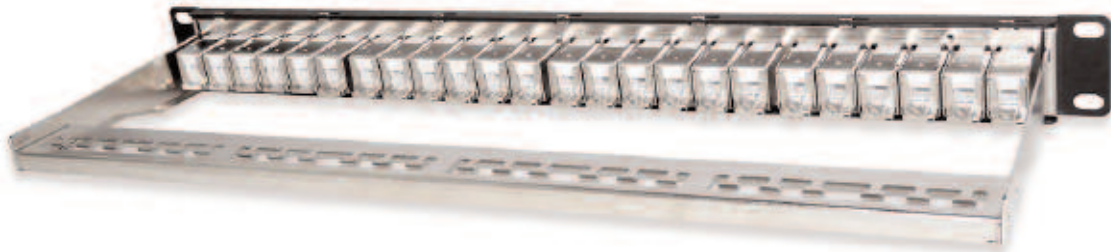
Panels are supplied with 10G screened connectors supporting both T568A and T568B wiring using an easy-to-read color-code wiring label. This uniquely designed connector features a tool-less termination method for quick and easy installation. A new contact design provides enhanced plug-to-jack connection integrity and is rated for a minimum of 750 plug insertions providing for the highest level of system reliability. Jacks are fully shielded to optimize protection from EMI including alien crosstalk.

Panels are provided with a newly designed cable management bar that easily mounts to the back of the panel without the need for mounting screws. This cable management bar features improved cable routing and strain relief.



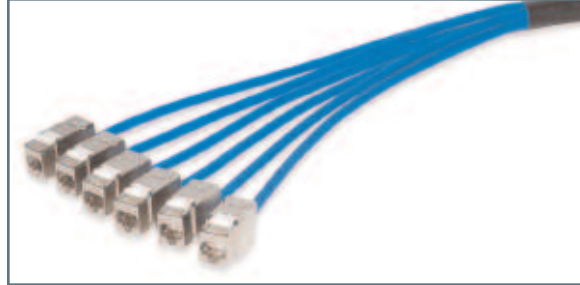
## Category 6A 10G Screened Patch Panels

PART NO.	DESCRIPTION
24458S-C6A	24-Port Category 6A 10G Screened Patch Panel, T568A/B Wiring, 1.75" High
48458S-C6A	48-Port Category 6A 10G Screened Patch Panel, T568A/B Wiring, 3.50" High



## Category 6A 10G Pre-Terminated Trunk Assemblies

Pre-terminated Category 6A Trunk Assemblies help to reduce significantly both time and cost of a category 6A cabling installation. Terminated and tested in a controlled manufacturing environment, cut to the customer pre-ordered lengths, and ready to install in a patch panel, trunk assemblies eliminate all these operations in the field making your job easy and efficient. Trunk cables are available in both unscreened (UTP) and screened (FTP) versions in either a jack-to-jack or jack to blunt cut configurations. Trunk cables can be used with any category 6A field-configurable patch panel (see page B2).



### Category 6A 10G Pre-Terminated Trunk Assemblies

PART NO.	DESCRIPTION
6L-C6A-JJ-P-FXXX	Category 6A 10G 6-Leg Trunk Cable, Jack to Jack, Unscreened (UTP) Cable, CMP
6L-C6A-JB-P-FXXX	Category 6A 10G 6-Leg Trunk Cable, Jack to Open, Unscreened (UTP) Cable, CMP
6L-C6AS-JJ-P-FXXX	Category 6A 10G 6-Leg Trunk Cable, Jack to Jack, Screened (FTP) Cable, CMP
6L-C6AS-JB-P-FXXX	Category 6A 10G 6-Leg Trunk Cable, Jack to Open, Screened (FTP) Cable, CMP

For length substitute XXX for length in feet. Minimum length is 10 ft. Maximum length is 295 ft.  
 Unscreened (UTP) cable color is blue. Screened cable is gray. Other colors are available.  
 Standard cable is straight cut for either left or right cable exit. Staggered cut cables are available.  
 For riser (PVC) cable substitute R for P in P/N.



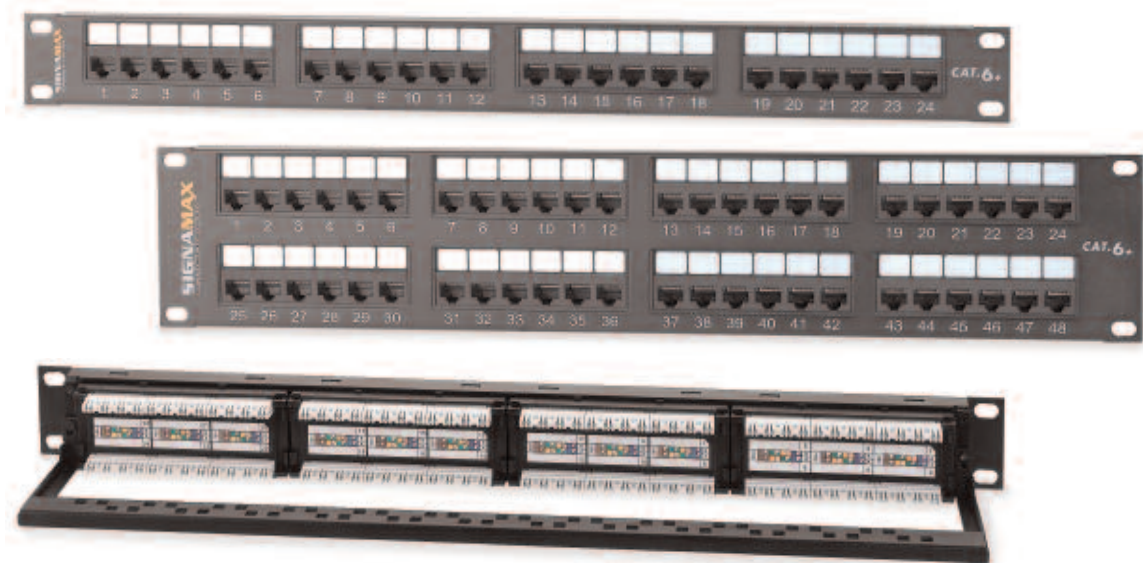


## Category 6 Patch Panels

Category 6 Patch Panels are designed to exceed ANSI/TIA-568-C.2 component, permanent link and channel performance specifications providing usable bandwidth beyond 250 MHz and are backward compatible with lower category cabling systems. These high-density panels are available in 12- through 48-port versions and feature enhanced front and rear labeling features for easy circuit identification. Category 6 panels support both T568A and T568B wiring schemes using an easy-to-read color-coded wiring label.

Panels are constructed for maximum strength and durability and feature a fully enclosed, modular design, which provides flexibility and protection of printed circuitry during termination. The RJ-45 contact configuration provides enhanced plug-to-jack connection integrity for superior reliability. Rear termination is made quick and easy using a 4-pair inline 110-type connector compatible with our category 6 multipair impact tool to reduce installation time or an industry standard single-position 110-tool.

Panels include an integrated cable management feature for cable routing and strain relief requirements. An optional cable management bar, which mounts easily to the back of the panel, is available for improved cable routing and strain relief.



### Category 6 Patch Panels

PART NO.	DESCRIPTION
12458MD-C6C	12-Port Category 6 Patch Panel, T568A/B Wiring, 1.75" High
24458MD-C6C	24-Port Category 6 Patch Panel, T568A/B Wiring, 1.75" High
48458MD-C6C	48-Port Category 6 Patch Panel, T568A/B Wiring, 3.50" High
SMB-350	Panel Mount Cable Management Bar, 3.5" Deep



### Category 6 High-Density 48-Port Patch Panel

The Category 6 High-Density Panel supports 48 category 6 connectors in a 1 RMS (1.75"H) panel. This high-density panel is the ideal solution where rack space is limited. The panel is supplied as a kit which includes the panel, 48 category 6 black jacks and a cable management bar. Panel kits can be supplied with category 6 unscreened jacks of different colors, which provide additional color-coding capabilities.

PART NO.	DESCRIPTION
48458HD-C6C	48-Port Category 6 High-Density Patch Panel, T568A/B, 1.75" High

Black connectors are standard. For panel kit with other color connectors contact Customer Service.

## Category 6 Patch Panels



### Category 6 Angled Patch Panels

Category 6 Angled Patch Panels are designed to the same high level performance as our standard category 6 panels. Angled panels are supplied preloaded with black category 6 jacks or can be ordered unloaded for field configuration. These panels have the added feature of an angled design to help route patch cords to vertical rack or cabinet mounted cable management. This feature eliminates the need for horizontal cable management panels, which provides additional rack space in high density applications. (Available July 2009)

PART NO.	DESCRIPTION
24458A-C6C	24-Port Category 6 Angled Patch Panel, T568A/B Wiring 1.75"High
48458A-C6C	48-Port Category 6 Angled Patch Panel, T568A/B Wiring 3.50"High
24U-HDMMP-A-C6	24-Port Category 6 Angled Field-Configurable Unloaded Panels, 1.75"High
48U-HDMMP-A-C6	48-Port Category 6 Angled Field-Configurable Unloaded Panels, 3.50"High

Black connectors are standard. For panels with other color connectors contact Customer Service.



### Category 6 Field-Configurable Unloaded Patch Panels

Category 6 unloaded panels are available for field configuration. Panels accept 6 unscreened (UTP) or screened (FTP) jacks and are supplied with cable management bar(s). These field-configurable panels provide the ability to populate only the number of ports that are needed and can be configured with UTP connectors of different colors, which provide additional color-coding capabilities.

PART NO.	DESCRIPTION
24U-HDMMP-C6	24-Port Category 6 Field-Configurable Unloaded Patch Panel, 1.75" High
48U-HDMMP-C6	48-Port Category 6 Field-Configurable Unloaded Patch Panel, 3.50" High



### Category 6 High-Density Field-Configurable Unloaded Patch Panel

Category 6 high-density unloaded panel is available for field configuration. This panel supports 48 connectors in a 1 RMS (1.75"H) panel and is ideal where rack space is limited. Panel accepts category 6 unscreened jacks and is supplied with a cable management bar. This panel provides the ability to populate only the number of ports that are needed and can be configured with UTP connectors of different colors, which provide additional color-coding capabilities.

PART NO.	DESCRIPTION
48U-HDMMP-C6-1R	48-Port Category 6 High-Density Field-Configurable Unloaded Panel, 1.75" High



# Category 6 Patch Panels



## Category 6 Screened Patch Panel

The Category 6 Screened Patch Panel is available in a 24-port version and provides the ability to terminate fully screened category 6 cable. This panel exceeds ANSI/TIA-568-C.2 specifications for superior performance. The panel features front labeling areas and comes with a rear cable management bar that mounts easily to the back of the panel.

PART NO.	DESCRIPTION
24458S-C6C	24-Port Category 6 Screened Patch Panel, T568A/B, 1.75" High

## Category 6 Wall Mount Mini Patch Panels

Category 6 Mini Patch Panels are available in 12-port size and are ideal for installations where space is at a premium and open bay racks cannot be used. Panels are provided mounted to either an 89D bracket or in a hinged version, both of which allow for easy access to the back of the panel for termination to 110 connectors. Panels exceed ANSI/TIA-568-C.2 performance specifications.

PART NO.	DESCRIPTION
12458M-C6C	12-Port Category 6 Mini Panel w/89D Bracket, T568A/B
12458MH-C6C	12-Port Category 6 Hinged Mini Panel, T568A/B



## Designation Labeling Sheets

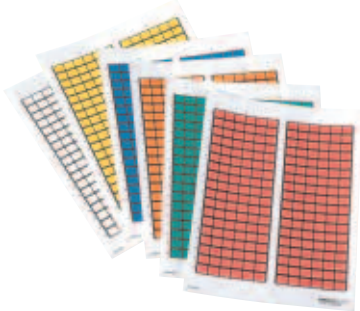
Category 6 and 5e rack mount and mini patch panel jacks and 110 wiring connectors can be labeled using color-coded labels. Templates can be downloaded from the Signamax web site, to help installers to lay out label sheets for custom printing. Labels are supplied on 8.5" x 11" sheets suitable for printing using most general purpose office printers. Sequentially numbered port label strips are also available for numbering ports from 1 to 648.

PART NO.	DESCRIPTION
DLF6-LC	6-Port Front Panel Designation Label Sheet
DLR6-WH	6-Port Rear Panel 110 Designation Label Sheet, White Only
SPL-648	Sequentially Numbered Port Label Strips, 1 through 648

For label colors substitute LC for color in P/N.

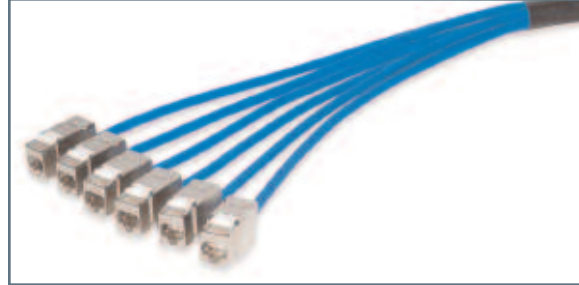
-BU (Blue)	-GN (Blue)	-OR (Gray)	-RD (Red)	-WH (White)	-YE (Yellow)
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Labels are available the following panel P/N's only: 12456MD-C6C, 24458MD-C6C, 48458MD-C6C and 12458M-C6C  
12456MD-C5E, 24458MD-C5E, 48458MD-C5E and 12458M-C5E



## Pre-Terminated Category 6 Trunk Assemblies

Pre-terminated Category 6 Trunk Assemblies help to reduce significantly both time and cost of a category 6 cabling installation. Terminated and tested in a controlled manufacturing environment, cut to the customer pre-ordered lengths, and ready to install in a patch panel, trunk assemblies eliminate all these operations in the field making your job easy and efficient. Trunk cables are available in both unscreened (UTP) and screened (FTP) versions in either a jack-to-jack or jack to blunt cut configurations. Trunk cables can be used with any category 6A field-configurable patch panel (see page B6)



### Category 6 Pre-Terminated Trunk Assemblies

PART NO.	DESCRIPTION
6L-C6-JJ-P-FXXX	Category 6 6-Leg Trunk Cable, Jack to Jack, Unscreened (UTP) Cable, CMP
6L-C6-JP-P-FXXX	Category 6 6-Leg Trunk Cable, Jack to Plug, Unscreened (UTP) Cable, CMP
6L-C6-JB-P-FXXX	Category 6 6-Leg Trunk Cable, Jack to Open, Unscreened (UTP) Cable, CMP
6L-C6S-JJ-P-FXXX	Category 6 6-Leg Trunk Cable, Jack to Jack, Screened (FTP) Cable, CMP
6L-C6S-JB-P-FXXX	Category 6 6-Leg Trunk Cable, Jack to Open, Screened (FTP) Cable, CMP

For length substitute XXX for length in feet. Minimum length is 10 ft. Maximum length is 295 ft. Unscreened (UTP) cable color is blue. Screened (FTP) cable is gray. Other colors are available. Standard cable is straight cut for either left or right cable exit. Staggered cut cables are available. For riser (PVC) cable substitute R for P in P/N.

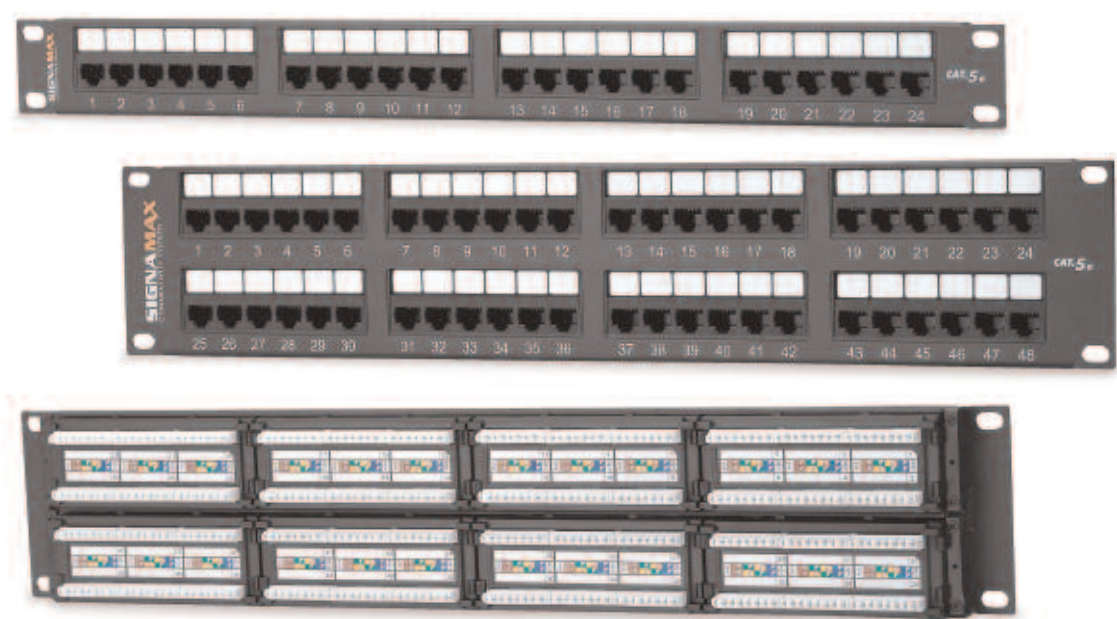


## Category 5e Patch Panels

Category 5e Patch Panels are designed to exceed ANSI/TIA-568-C.2 component, permanent link and channel performance specifications providing usable bandwidth beyond 155 MHz. These high-density panels are available in 12- through 48-port versions and feature enhanced front and rear labeling features for easy circuit identification. Category 5e panels support both T568A and T568B wiring schemes using an easy-to-read color-coded wiring label.

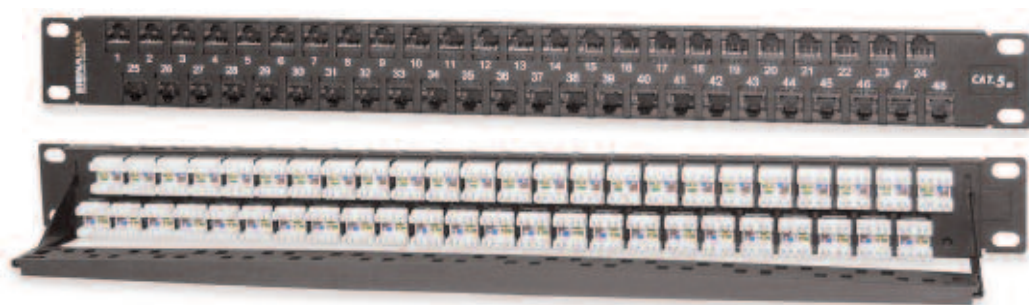
Panels are constructed for maximum strength and durability and feature a fully enclosed, modular design, which provides flexibility and protection of printed circuitry during termination. Rear termination is made quick and easy using a 4-pair inline 110-type connector compatible with standard multipair impact tool to reduce installation time or single-position 110 termination tool.

Panels include an integrated cable management feature for cable routing and strain relief requirements. An optional cable management bar, which mounts easily to the back of the panel, is available for improved cable routing and strain relief.



### Category 5e Patch Panels

PART NO.	DESCRIPTION
12458MD-C5E	12-Port Category 5e Patch Panel, T568A/B Wiring, 1.75" High
24458MD-C5E	24-Port Category 5e Patch Panel, T568A/B Wiring, 1.75" High
48458MD-C5E	48-Port Category 5e Patch Panel, T568A/B Wiring, 3.50" High
SMB-350	Panel Mount Cable Management Bar, 3.5" Deep



### Category 5e High-Density 48-Port Patch Panel

The Category 5e High-Density Panel supports 48 category 5e connectors in a 1 RMS (1.75"H) panel. This high-density panel is the ideal solution where rack space is limited. The panel is supplied as a kit which includes the panel, 48 category 5e black jacks and a cable management bar. Panel kits can be supplied with category 5e unscreened jacks of different colors, which provide additional color-coding capabilities.

PART NO.	DESCRIPTION
48458HD-C5E	48-Port Category 5e High-Density Patch Panel, T568A/B, 1.75" High

Black connectors are standard. For panel kit with other color connectors contact Customer Service.



## Category 5e Patch Panels



### Category 5e Angled Patch Panels

Category 5e Angled Patch Panels are designed to the same high level performance as our standard category 6 panels. Angled panels are supplied preloaded with black category 5e jacks or can be ordered unloaded for field configuration. These panels have the added feature of an angled design to help route patch cords to vertical rack or cabinet mounted cable management. This feature eliminates the need for horizontal cable management panels, which provides additional rack space in high density applications. (Available July 2009)

PART NO.	DESCRIPTION
24458A-C5E	24-Port Category 5e Angled Patch Panel, T568A/B Wiring 1.75" High
48458A-C5E	48-Port Category 5e Angled Patch Panel, T568A/B Wiring 3.50" High
24U-HDMMP-A-C5E	24-Port Category 5e Angled Field-Configurable Unloaded Panels, 1.75" High
48U-HDMMP-A-C5E	48-Port Category 5e Angled Field-Configurable Unloaded Panels, 3.50" High

Black connectors are standard. For panels with other color connectors contact Customer Service.



### Category 5e Field-Configurable Unloaded Patch Panels

Category 5e unloaded panels are available for field configuration. Panels accept 5e unscreened (UTP) or screened (FTP) jacks and are supplied with cable management bar(s). These field-configurable panels provide the ability to populate only the number of ports that are needed and can be configured with UTP connectors of different colors, which provide additional color-coding capabilities.

PART NO.	DESCRIPTION
24U-HDMMP-C5E	24-Port Category 5e Field-Configurable Unloaded Patch Panel, 1.75" High
48U-HDMMP-C5E	48-Port Category 5E Field-Configurable Unloaded Patch Panel, 3.50" High



### Category 5e High-Density Field-Configurable Unloaded Patch Panel

Category 5e high-density unloaded panel is available for field configuration. This panel supports 48 connectors in a 1 RMS (1.75"H) panel and is ideal where rack space is limited. Panel accepts category 5e unscreened jacks and is supplied with a cable management bar. This panel provide the ability to populate only the number of ports that are needed and can be configured with UTP connectors of different colors, which provide additional color-coding capabilities.

PART NO.	DESCRIPTION
48U-HDMMP-C6-1R	48-Port Category 6 High-Density Field-Configurable Unloaded Panel, 1.75" High

## Category 5e Patch Panels



### Category 5e Screened Patch Panel

Category 5e Screened Patch Panels provide a fully shielded design for cabling applications using 4-pair screened twisted-pair cables. Signamax Screened 110 patch panel is a high-density panel, with easy access to 110 terminations. Screened panels are engineered to exceed ANSI/TIA-568-C.2 component transmission performance.

PART NO.	DESCRIPTION
24458S-C5E	24-Port Category 5e Screened Patch Panel, T568A/B, 1.75" High

### Category 5e Wall Mount Mini Patch Panels

Category 5e Mini Patch Panels are available in 12-port size and are ideal for installations where space is at a premium and open bay racks cannot be used. Panels are provided mounted to either an 89D bracket or in a hinged version, both of which allow for easy access to the back of the panel for termination to 110 connectors. Panels exceed ANSI/TIA-568-C.2 performance specifications.

PART NO.	DESCRIPTION
12458M-C5E	12-Port Category 5e Mini Panel w/89D Bracket, T568A/B
12458MH-C5E	12-Port Category 5e Hinged Mini Panel, T568A/B



### Category 5e Wall Mount Jack Panels

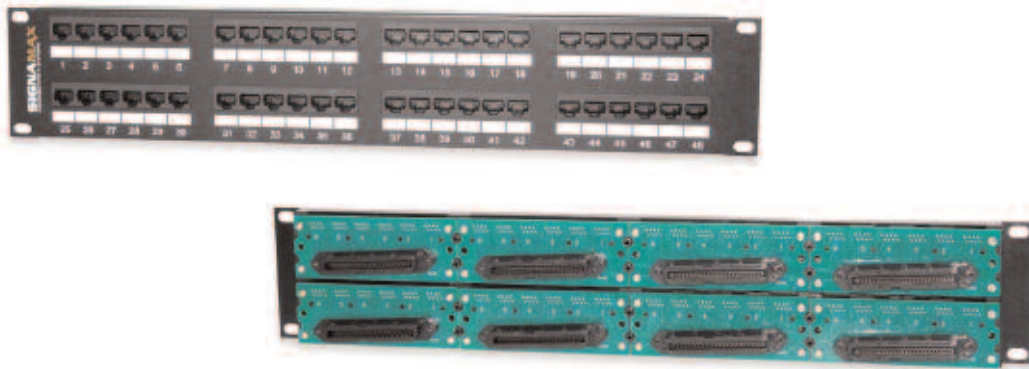
Category 5e Wall Mount Jack Panels are available in 12-, 24-, and 36-port sizes with termination points enclosed in a protective housing featuring a removable front cover for easy access to the front-facing RJ-45 and 110 connectors. Panels are provided with standoff legs for routing cables behind the panel and a cable tie-down feature at the panel entry point. The 12- and 36-port panels have the same footprint as 100- and 300-pair 110-blocks. The jack panels accommodate both T568A and T568B wiring schemes using an easy-to-read color-coded wiring label.

PART NO.	DESCRIPTION
12458JPL-C5E	12-Port Category 5e Jack Panel, T568A/B Wiring
24458JPL-C5E	24-Port Category 5e Jack Panel, T568A/B Wiring
36458JPL-C5E	36-Port Category 5e Jack Panel, T568A/B Wiring





## Gigabit Ethernet Modular-Telco Patch Panels



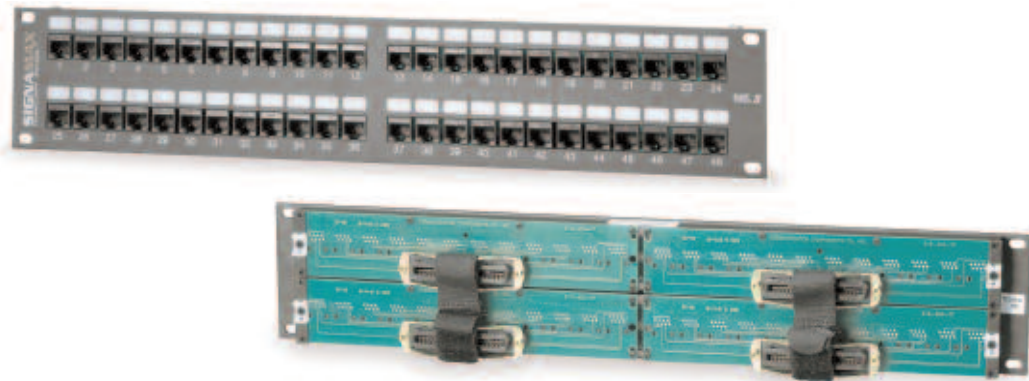
### Gigabit Ethernet Modular-Telco Patch Panels

Gigabit Ethernet Modular-Telco Patch Panels provide the ability to connect to gigabit equipment while maintaining performance throughout the cabling system. The panels are available in 24- and 48-port sizes with RJ-45 8P/8C connectors wired to 50-position (25-pair) Telco-style connectors using T568B wiring.

PART NO.	DESCRIPTION
24458-C5FB	24-Port Gigabit Modular-Telco Patch Panel, 568B Wiring (Active Pins 1-8) Female Telco, 1.75"H
48458-C5FB	48-Port Gigabit Modular-Telco Patch Panel, 568B Wiring (Active Pins 1-8) Female Telco, 3.50"H

See page C8 for Category 5e 25-Pair Telco Assemblies and Adapter Cables

## Fast Ethernet Modular-Telco Patch Panels



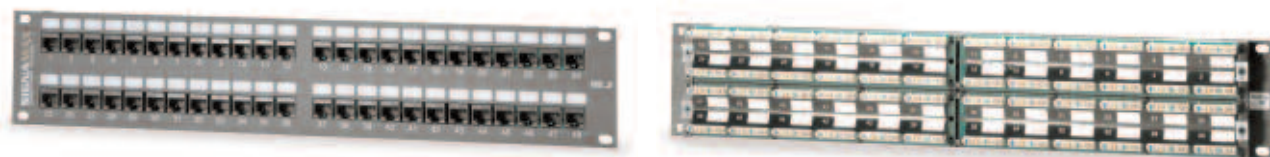
### Fast Ethernet Modular-Telco Patch Panels

Fast Ethernet Modular-Telco Patch Panels provide the ability to connect to 10/100BaseTX switches with Telco-style or RJ-45 interface connectors, while maintaining performance throughout the cabling system. The panels are available in 24- and 48-port sizes with RJ-45 connectors (active pins 1, 2, 3 and 6) wired to 50-position (25-pair) Telco-style connectors using standard pin configuration.

PART NO.	DESCRIPTION
24454-C5FT	24-Port 10/100T/TX Modular-Telco Patch Panel, Active Pins 1, 2, 3, and 6, Female Telco, 1.75"H
48454-C5FT	48-Port 10/100T/TX Modular-Telco Patch Panel, Active Pins 1, 2, 3, and 6, Female Telco, 3.50"H

For male Telco-style connector substitute M for F in P/N

## Category 3 Modular-110 Patch Panels

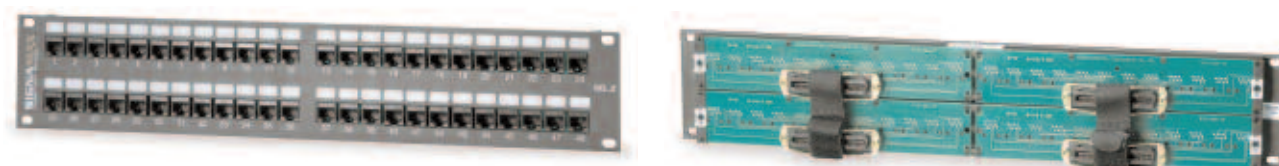


### Category 3 Modular-110 Patch Panels

Category 3 Modular-110 Patch Panels are available in 24- and 48-port sizes and support 6-wire RJ-12 and 8-wire RJ-45 USOC wiring schemes. Panels are constructed for maximum strength and durability and can be terminated with either multipair or single-position 110-tool. Panels feature a write-on surface area to provide port identification on both the front and rear termination areas. Panels include an integrated cable management/strain relief system for improved cable routing and strain relief.

PART NO.	DESCRIPTION
24116-C4U	24-Port Category 3 RJ-12 6W 110 Patch Panel, USOC Wiring, 1.75" High
48116-C4U	48-Port Category 3 RJ-12 6W 110 Patch Panel, USOC Wiring, 3.50" High
24458-C4U	24-Port Category 3 RJ-45 8W 110 Patch Panel, USOC Wiring, 1.75" High
48458-C4U	48-Port Category 3 RJ-45 8W 110 Patch Panel, USOC Wiring, 3.50" High

## Category 3 Modular-Telco Patch Panels



### Category 3 RJ-11 and RJ-45 Modular-Telco Patch Panels

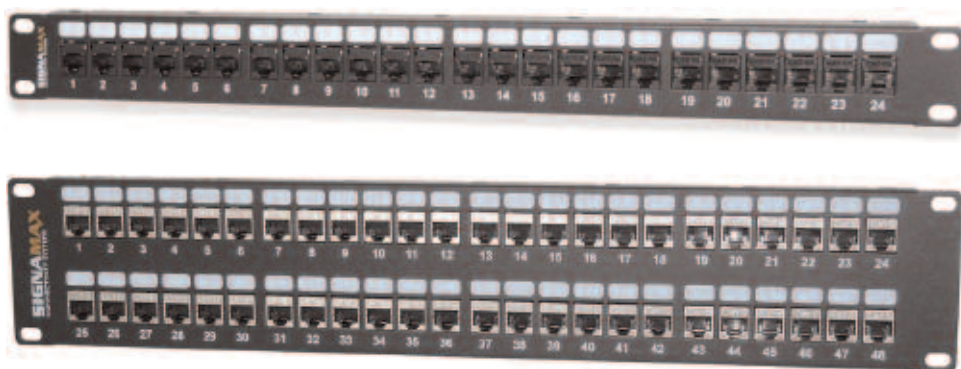
Category 3 Modular-Telco Patch Panels are available in 24- and 48-port sizes and support 2-wire RJ-11, 4-wire RJ-11, 2 wire RJ-45 and 4 wire RJ-45 USOC wiring schemes. Each 50-position Telco connector is provided with both Velcro strain relief brackets and hex sockets to secure 25-pair cables with either 90-degree or 180-degree cable exit. Panels front features a write-on surface to provide port identification. Panels include an integrated cable management/strain relief system for improved cable routing and strain relief.

PART NO.	DESCRIPTION
<b>RJ-11 2 Wire (Active Pins 3-4)</b>	
24112-C3MU	24-Port Category 3 RJ-11 2W Modular-Telco Patch Panel, USOC, Male, 1.75" High
48112-C3MU	48-Port Category 3 RJ-11 2W Modular-Telco Patch Panel, USOC, Male, 3.50" High
<b>RJ-11 4 Wire (Active Pins 2-5)</b>	
24114-C3MU	24-Port Category 3 RJ-11 4W Modular-Telco Patch Panel, USOC, Male, 1.75" High
48114-C3MU	48-Port Category 3 RJ-11 4W Modular-Telco Patch Panel, USOC, Male, 3.50" High
<b>RJ-45 2 Wire (Active Pins 4-5)</b>	
24452-C3MU	24-Port Category 3 RJ-45 2W Modular-Telco Patch Panel, USOC, Male, 1.75" High
48452-C3MU	48-Port Category 3 RJ-45 2W Modular-Telco Patch Panel, USOC, Male, 3.50" High
<b>RJ-45 4 Wire (Active Pins 3-6)</b>	
24454-C3MU	24-Port Category 3 RJ-45 4W Modular-Telco Patch Panel, USOC, Male, 1.75" High
48454-C3MU	48-Port Category 3 RJ-45 4W Modular-Telco Patch Panel, USOC, Male, 3.50" High

For female 25-pair Telco connectors substitute F for M in P/N

## Category 6 and 5e High-Density Feed-Thru Patch Panels

Category 6 and 5e High-Density Feed-Thru Panels can be used when connecting equipment in a telecommunications room and is necessary to cross-connect using patch cables, in order to interface to the distribution cabling system. Signamax High-Density Feed-Thru Patch Panels provide 24- and 48-modular coupling ports, while maintaining category 5e or category 6 performance. Panels are available in either an unscreened or screened versions and are provided with a newly designed cable management bar that easily mounts to the back of the panel without the need for mounting screws. This cable management bar features improved cable routing and strain relief.



### Category 6 High-Density Feed-Thru Patch Panels

PART NO.	DESCRIPTION
24458FTHD-C6	24-Port Category 6 High-Density Feed-Thru Patch Panel, 1.75" High
48458FTHD-C6	48-Port Category 6 High-Density Feed-Thru Patch Panel, 3.50" High
24458SFTHD-C6	24-Port Category 6 Screened High-Density Feed-Thru Patch Panel, 1.75" High
48458SFTHD-C6	48-Port Category 6 Screened High-Density Feed-Thru Patch Panel, 3.50" High

### Category 5e High-Density Feed-Thru Patch Panels

PART NO.	DESCRIPTION
24458FTHD-C5E	24-Port Category 5e High-Density Feed-Thru Patch Panel, 1.75" High
48458FTHD-C5E	48-Port Category 5e High-Density Feed-Thru Patch Panel, 3.50" High
24458SFTHD-C5E	24-Port Category 5e Screened High-Density Feed-Thru Patch Panel, 1.75" High
48458SFTHD-C5E	48-Port Category 5e Screened High-Density Feed-Thru Patch Panel, 3.50" High



### Category 6 and 5e High-Density 48-Port Feed-Thru Patch Panel

PART NO.	DESCRIPTION
48458FTHD1-C6	48-Port Category 6 High-Density Feed-Thru Patch Panel, 1.75" High
48458FTHD1-C5E	48-Port Category 5e High-Density Feed-Thru Patch Panel, 1.75" High

# Category 6 and 5e Standard-Density Feed-Thru Patch Panels

When connecting equipment in a telecommunications room, it is often necessary to cross-connect using patch cables, in order to interface to the distribution cabling system. Signamax Standard-Density Feed-Thru Patch Panels provide 12-, 16-, 24-, 32- and 48-modular coupling ports, while maintaining category 5e or category 6 performance.



## Category 6 Standard-Density Feed-Thru Patch Panels

PART NO.	DESCRIPTION
12458FT-C6	12-Port Category 6 Standard-Density Feed-Thru Patch Panel, 1.75" High
16458FT-C6	16-Port Category 6 Standard-Density Feed-Thru Patch Panel, 1.75" High
24458FT-C6	24-Port Category 6 Standard-Density Feed-Thru Patch Panel, 3.50" High
32458FT-C6	32-Port Category 6 Standard-Density Feed-Thru Patch Panel, 3.50" High
48458FT-C6	48-Port Category 6 Standard-Density Feed-Thru Patch Panel, 5.25" High

## Category 5e Standard-Density Feed-Thru Patch Panels

PART NO.	DESCRIPTION
12458FT-C5E	12-Port Category 5e Standard-Density Feed-Thru Patch Panel, 1.75" High
16458FT-C5E	16-Port Category 5e Standard-Density Feed-Thru Patch Panel, 1.75" High
24458FT-C5E	24-Port Category 5e Standard-Density Feed-Thru Patch Panel, 3.50" High
32458FT-C5E	32-Port Category 5e Standard-Density Feed-Thru Patch Panel, 3.50" High
48458FT-C5E	48-Port Category 5e Standard-Density Feed-Thru Patch Panel, 5.25" High

## Multimedia Patch Panels



### F-Type Connector Feed-Thru Patch Panel

PART NO.	DESCRIPTION
<b>1-GHz F-Type Connector</b>	
12F-FT	12-Port 1-GHz F-Type Feed-Thru Patch Panel, 1.75" High
16F-FT	16-Port 1-GHz F-Type Feed-Thru Patch Panel, 1.75" High
24F-FT	24-Port 1-GHz F-Type Feed-Thru Patch Panel, 3.50" High
32F-FT	32-Port 1-GHz F-Type Feed-Thru Patch Panel, 3.50" High
48F-FT	48-Port 1-GHz F-Type Feed-Thru Patch Panel, 5.25" High
<b>3-GHz F-Type Connector</b>	
12F3-FT	12-Port 3-GHz F-Type Feed-Thru Patch Panel, 1.75" High
16F3-FT	16-Port 3-GHz F-Type Feed-Thru Patch Panel, 1.75" High
24F3-FT	24-Port 3-GHz F-Type Feed-Thru Patch Panel, 3.50" High
32F3-FT	32-Port 3-GHz F-Type Feed-Thru Patch Panel, 3.50" High
48F3-FT	48-Port 3-GHz F-Type Feed-Thru Patch Panel, 5.25" High

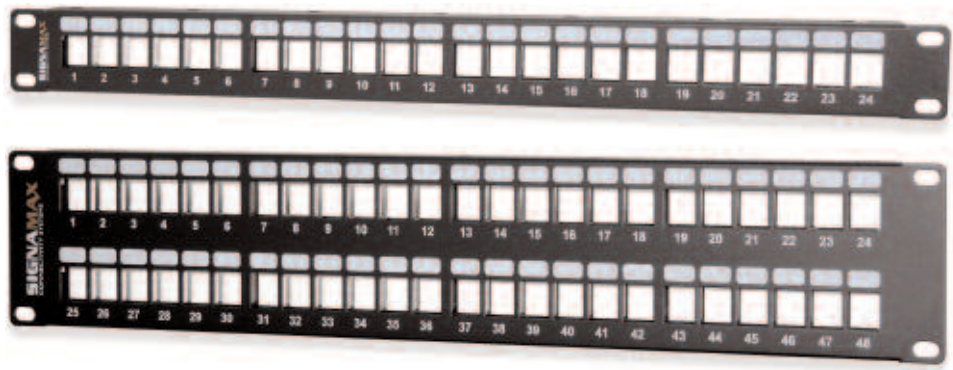


### BNC Feed-Thru Patch Panels

PART NO.	DESCRIPTION
<b>50-Ohm BNC Connector</b>	
12BNC-FT	12-Port 50-Ohm BNC Feed-Thru Patch Panel, 1.75" High
16BNC-FT	16-Port 50-Ohm BNC Feed-Thru Patch Panel, 1.75" High
24BNC-FT	24-Port 50-Ohm BNC Feed-Thru Patch Panel, 3.50" High
32BNC-FT	32-Port 50-Ohm BNC Feed-Thru Patch Panel, 3.50" High
48BNC-FT	48-Port 50-Ohm BNC Feed-Thru Patch Panel, 5.25" High
<b>75-Ohm BNC Connector</b>	
12BNC75-FT	12-Port 75-Ohm BNC Feed-Thru Patch Panel, 1.75" High
16BNC75-FT	16-Port 75-Ohm BNC Feed-Thru Patch Panel, 1.75" High
24BNC75-FT	24-Port 75-Ohm BNC Feed-Thru Patch Panel, 3.50" High
32BNC75-FT	32-Port 75-Ohm BNC Feed-Thru Patch Panel, 3.50" High
48BNC75-FT	48-Port 75-Ohm BNC Feed-Thru Patch Panel, 5.25" High



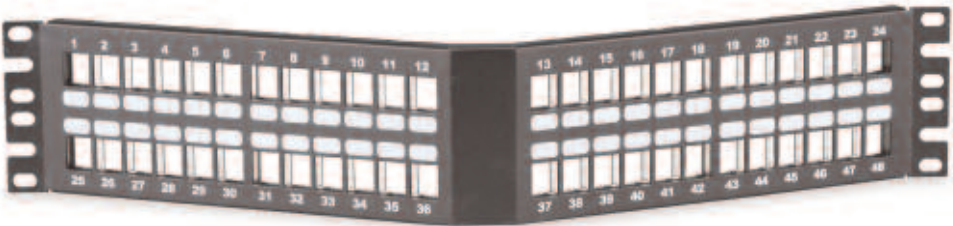
## Field-Configurable Multimedia Patch Panels



### High-Density Field-Configurable Unloaded Multimedia Panels

High-density field-configurable panels are available in 24- and 48-port sizes. Panels provide the flexibility when field configuring using a variety of connectors including category 6A, 6, 5e and voice-grade high-density jacks as well as a wide range of fiber and audio/video multimedia modules.

PART NO.	DESCRIPTION
24U-HDMMP	24-Port High-Density Field-Configurable Unloaded Multimedia Panel, 1.75" High
48U-HDMMP	48-Port High-Density Field-Configurable Unloaded Multimedia Panel, 3.50" High



### High-Density Field-Configurable Angled Unloaded Multimedia Panels

High-density field-configurable angled panels has the added feature of angled design to help route patch cords to vertical rack or cabinet mounted cable management. This unique feature eliminates the need for horizontal cable management panels, which provides additional rack space in high density applications. The panel provides the flexibility to field configure panels using a variety of connectors including category 6A, 6, 5e and voice-grade high-density jacks as well as a wide range of fiber and audio/video multimedia modules.

PART NO.	DESCRIPTION
24U-HDMMP-A	24-Port High-Density Field-Configurable Unloaded Angled Multimedia Panel, 1.75" High
48U-HDMMP-A	48-Port High-Density Field-Configurable Unloaded Angled Multimedia Panel, 3.50" High

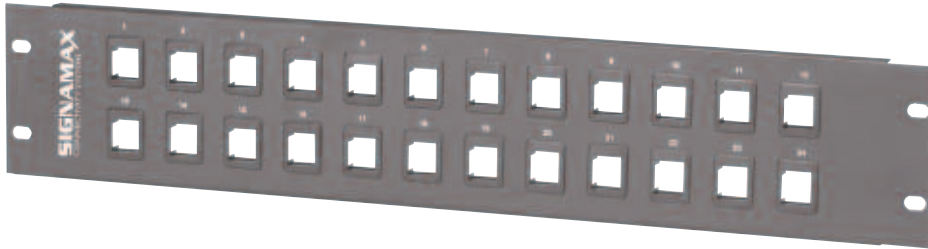


### 48-Port High-Density Field-Configurable Unloaded Multimedia Patch Panel

High-density field-configurable 48-port panel provides 48-ports in a 1 RMS (1.75"H) panel. This high-density panel is the ideal solution where rack space is limited and supports a variety of connectors including category 6A, 6, 5e and voice-grade high-density jacks as well as a wide range of fiber and audio/video multimedia modules.

PART NO.	DESCRIPTION
48U-HDMMP-1R	48-Port High-Density Field-Configurable Unloaded Multimedia Panel, 1.75" High

## Field-Configurable Multimedia Patch Panels



### Standard-Density Field-Configurable Multimedia Panels

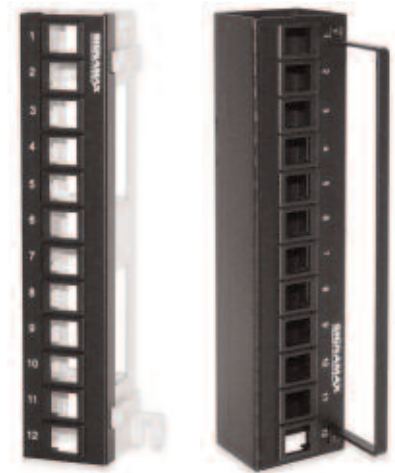
Standard-Density Field-Configurable Multimedia Panels are available in 12-, 16-, 24-, 32- and 48-port sizes. Panels provide the ability to field configure panels using a variety of connectors including category 6A, category 6 and category 5e jacks as well as a wide range of multimedia modules.

PART NO.	DESCRIPTION
12U-MMP	12-Port Standard-Density Field-Configurable Multimedia Panel, 1.75" High
16U-MMP	16-Port Standard-Density Field-Configurable Multimedia Panel, 1.75" High
24U-MMP	24-Port Standard-Density Field-Configurable Multimedia Panel, 3.50" High
32U-MMP	32-Port Standard-Density Field-Configurable Multimedia Panel, 3.50" High
48U-MMP	48-Port Standard-Density Field-Configurable Multimedia Panel, 5.25" High

### 12-Port Field-Configurable Multimedia Wall Mount Mini Panels

12-Port Field-Configurable Multimedia Wall Mount Mini Panels are ideal for applications where space is at a premium. Panels are provided mounted to either an 89D bracket or in a hinged version, both allow for easy access to the back of the panel. These panels are designed to accept unscreened category 6A, 6 and 5e high-density jacks.

PART NO.	DESCRIPTION
12U-M89	12-Port Field-Configurable Multimedia Panel w/89D Bracket
16U-MH	12-Port Field-Configurable Multimedia Hinged Panel



## Category 6 and 5e 110 Wiring Blocks

### Category 6 110 Wiring Blocks

Category 6 Wiring Blocks accommodate a range of conductor sizes from 22- to 26-AWG solid cable and are designed to exceed ANSI/TIA-568-C.2 category 6 specifications. Blocks are available in 48-, 96- and 288-pair sizes and can be ordered with mounting legs for routing cable behind the block, or without legs where space is limited.

PART NO.	DESCRIPTION
110WB6-48PR-L	Category 6 48-Pair 110 Wiring Block With Mounting Legs
110WB6-48PR	Category 6 48-Pair 110 Wiring Block Without Mounting Legs
110WB6-96PR-L	Category 6 96-Pair 110 Wiring Block With Mounting Leg
110WB6-96PR	Category 6 96-Pair 110 Wiring Block Without Mounting Legs
110WB6-288PR-L	Category 6 288-Pair 110 Wiring Block With Mounting Legs
110WB6-288PR	Category 6 288-Pair 110 Wiring Block Without Mounting Legs

### Category 6 110 IDC Connecting Blocks

Category 6 Connecting Blocks will accept 22- to 26-AWG solid conductors and are available in a 4-pair size. IDC connecting block is color coded for easy conductor placement. Connecting blocks are sold in packages of 10.

PART NO.	DESCRIPTION
110CB6-4PR	Category 6 4-Pair 110 IDC Connecting Blocks

### Category 5e 110 Wiring Blocks

Wiring Blocks accommodate a range of conductor sizes from 22- to 26-AWG solid cable and are designed to exceed category 5e specifications. Blocks are available in 50-, 100-, and 300-pair sizes and can be ordered with mounting legs for routing cable behind the block, or without legs where space is limited.

PART NO.	DESCRIPTION
110WB-50PR-L	Category 5e 50-Pair 110 Wiring Block With Mounting Legs
110WB-50PR	Category 5e 50-Pair 110 Wiring Block Without Mounting Legs
110WB-100PR-L	Category 5e 100-Pair 110 Wiring Block With Mounting Legs
110WB-100PR	Category 5e 100-Pair 110 Wiring Block Without Mounting Legs
110WB-300PR-L	Category 5e 300-Pair 110 Wiring Block With Mounting Legs
110WB-300PR	Category 5e 300-Pair 110 Wiring Block Without Mounting Legs

### Category 5e 110 IDC Connecting Blocks

Connecting Blocks will accept 22- to 26-AWG solid conductors and are available in 3-, 4-, and 5-pair sizes. Each IDC connecting block is color coded for easy conductor placement. Connecting blocks are sold in packages of 10.

PART NO.	DESCRIPTION
110CB-3PR	Category 5e 3-Pair 110 IDC Connecting Block
110CB-4PR	Category 5e 4-Pair 110 IDC Connecting Block
110CB-5PR	Category 5e 5-Pair 110 IDC Connecting Block
110-CAP	2-Pair 110 Stuffer Cap



## Category 6 and 5e 110 Wiring Block Kits



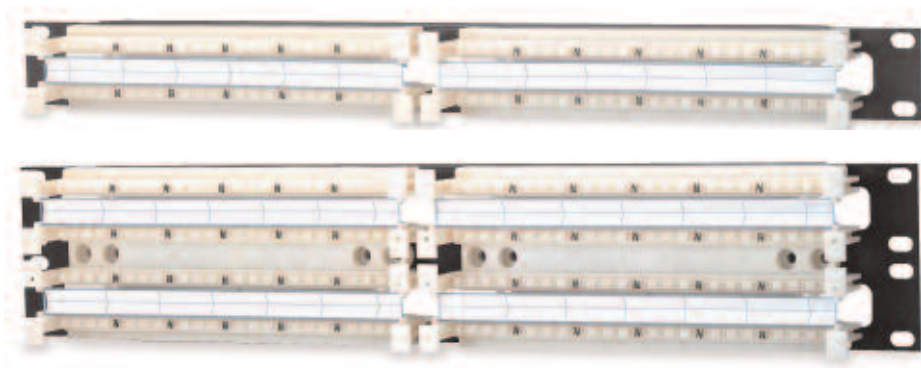
### Category 6 and 5e 110 Wiring Block Kits

Simplified ordering is facilitated by the use of 110 Wiring Block Kits. Category 6 kits are available in 48-, 96-, and 288-pair sizes with 4-pair connecting blocks. Category 5e kits are available in 50-, 100-, and 300-pair sizes with 4-pair and 5-pair connecting blocks. These kits include everything needed to assemble a fully configured cross-connect field. Wiring block kits are available with or without mounting legs and are packaged with the appropriate number of designation labels and clear holders.

PART NO.	DESCRIPTION
<b>Category 6 110 Wiring Block Kits</b>	
WBK6-48PRL4	Category 6 48-Pair Kit w/Mounting Legs, (12) 4-Pair Connecting Blocks and 1 Designation Label/Clear Holder
WBK6-48PR4	Category 6 48-Pair Kit w/o Mounting Legs, (12) 4-Pair Connecting Blocks and 1 Designation Label/Clear Holder
WBK6-96PRL4	Category 6 96-Pair Kit w/Mounting Legs, (24) 4-Pair Connecting Blocks and 2 Designation Labels/Clear Holders
WBK6-96PR4	Category 6 96-Pair Kit w/o Mounting Legs, (24) 4-Pair Connecting Blocks and 2 Designation Labels/Clear Holders
WBK6-288PRL4	Category 6 288-Pair Kit w/Mounting Legs, (72) 4-Pair Connecting Blocks and 3 Designation Labels/Clear Holders
WBK6-288PR4	Category 6 288-Pair Kit w/o Mounting Legs, (72) 4-Pair Connecting Blocks and 3 Designation Labels/Clear Holders
<b>Category 5e 110 Wiring Block Kits</b>	
WBK-50PRL4	Category 5e 50-Pair Kit w/Mounting Legs, (10) 4-Pair, (2) 5-Pair Connecting Blocks and 1 Designation Label/Clear Holder
WBK-50PR4	Category 5e 50-Pair Kit w/o Mounting Legs, (10) 4-Pair, (2) 5-Pair Connecting Blocks and 1 Designation Label/Clear Holder
WBK-100PRL4	Category 5e 100-Pair Kit w/Mounting Legs, (20) 4-Pair, (4) 5-Pair Connecting Blocks and 2 Designation Labels/Clear Holders
WBK-100PR4	Category 5e 100-Pair Kit w/o Mounting Legs, (20) 4-Pair, (4) 5-Pair Connecting Blocks and 2 Designation Labels/Clear Holders
WBK-300PRL4	Category 5e 300-Pair Kit w/Mounting Legs, (60) 4-Pair, (12) 5-Pair Connecting Blocks and 3 Designation Labels/Clear Holders
WBK-300PR4	Category 5e 300-Pair Kit w/o Mounting Legs, (60) 4-Pair, (12) 5-Pair Connecting Blocks and 3 Designation Labels/Clear Holders



## Rack Mount Wiring Blocks



### Category 6 and 5e Rack Mount 110 Wiring Block Kits

110 Blocks are available for 19" rack mounting in both category 6 and 5e versions. Category 5e panels are available in 100- and 200-pair configurations with or without connecting blocks. The category 6 panels are available in 96- and 192-pair configurations with or without connecting blocks. Patch cord management is provided by a rack mount patch cord and cable management trough (sold separately).

PART NO.	DESCRIPTION
<b>Category 6 110 Rack Mount Wiring Block Kits</b>	
RM696PR	Category 6 96-Pair 110 Rack Mount Wiring Blocks, 1.75"H x 19"W
RM6192PR	Category 6 192-Pair 110 Rack Mount Wiring Blocks, 3.50"H x 19"W
RWBK6-96PR4	Category 6 96-Pair Rack Mount Kit w/(24) 4-Pair Connecting Blocks and 2 Designation Labels/Clear Holders, 1.75"H x 19"W
RWBK6-192PR4	Category 6 192-Pair Rack Mount Kit w/(48) 4-Pair Connecting Blocks and 4 Designation Labels/Clear Holders, 3.50"H x 19"W
<b>Category 5e 110 Rack Mount Wiring Block Kits</b>	
RM100PR	Category 5e 100-Pair 110 Rack Mount Wiring Blocks, 1.75"H x 19"W
RM200PR	Category 5e 200-Pair 110 Rack Mount Wiring Blocks, 3.50"H x 19"W
RWBK-100PR4	Category 5e 100-Pair Rack Mount Kit w/(20) 4-Pair, (4) 5-Pair Connecting Blocks and 2 Designation Labels/Clear Holders, 1.75"H x 19"W
RWBK-200PR4	Category 5e 200-Pair Rack Mount Kit w/(40) 4-Pair, (8) 5-Pair Connecting Blocks and 4 Designation Labels/Clear Holders, 3.50"H x 19"W

## 110 Wiring Block Accessories



### Patch Cord and Cable Management Troughs

Used between wiring blocks, cable management troughs provide jumper and patch cord organization. Troughs are available with or without stand-off legs to match installation requirements. Cable management trough rings feature a split ring design, which facilitates easy insertion and maximum retention.

PART NO.	DESCRIPTION
110-CMT-L	Patch Cord and Cable Mgmt. Trough with Mounting Legs
110-CMT	Patch Cord and Cable Mgmt. Trough without Mounting Legs
110-RMCMT	Rack Mount Patch Cord and Cable Mgt. Trough, 1.75"H





## Category 6 and 5e 110 Patch Cords

### Category 6 110 Patch Cords

Category 6 110 Patch Cords exceed performance specifications as defined in ANSI/TIA-568-C.2. Patch cords are available with four-pair 110 plugs and are used for patching between category 6 110 termination fields. Category 6 RJ-45/110 Patch Cords are available in four-pair configurations wired to T568B wiring scheme. RJ-45/110 Patch Cords are used for patching between equipment and category 6 110 termination fields. All cords are 100% factory performance tested.

PART NO.	DESCRIPTION
C6C-4P-GY-LB	Category 6 4-Pair 110-to-110 Patch Cords
C6C-4P-458B-GY-LB	Category 6 RJ-45 to 4-Pair 110 Patch Cords

For length substitute L for length in P/N  
 3=3 ft 5=5 ft 7=7 ft 10=10 ft 15=15 ft 20=20 ft 25=25 ft  
 Standard cable color is gray. Other colors and lengths are available.



### Category 5e 110 Patch Cords

Category 5e 110 Patch Cords are assembled using stranded cable that exceeds category 5e specifications. Patch cords are available with one-, two-, three-, and four-pair 110 plugs and are used for patching between 110 termination fields. All cords are 100% factory tested. Category 5e RJ-45/110 Patch Cords are available in four-pair configurations wired to T568B wiring scheme. RJ-45/110 Patch Cords are used for patching between equipment and 110 termination fields.

PART NO.	DESCRIPTION
C5E-4P-GY-LB	Category 5e 4-Pair 110-to-110 Patch Cords
C5E-4P-458B-GY-LB	Category 5e RJ-45 to 4-Pair 110 Patch Cords

For length substitute L for length in P/N  
 3=3 ft 5=5 ft 7=7 ft 10=10 ft 15=15 ft 20=20 ft 25=25 ft  
 Standard cable color is gray. Other colors and lengths are available.



### Category 6 Field-Installable 110 Plugs

Category 6 Field-Installable 110 Plug is available in a 4-pair size and accommodates 24- to 26-AWG stranded cable. The plug easily assembled in the field to provide the flexibility and quick termination of any length patch cord. The snap-together designed plugs are polarized to ensure a proper connection to the connecting blocks.

PART NO.	DESCRIPTION
1106-4PRP	Category 6 4-Pair Field-Installable 110 Plug



### Category 5e Field-Installable 110 Plugs

Category 5e Field-Installable 110 Plugs are available in 1-, 2-, 3-, and 4-pair sizes and accommodate 24- to 26-AWG stranded cable. Plugs are easily assembled in the field to provide the flexibility and quick termination of any length patch cord. The snap-together designed plugs are polarized to ensure a proper connection to the connecting blocks.

PART NO.	DESCRIPTION
110-1PRP	Category 5e 1-Pair Field-Installable 110 Plug
110-2PRP	Category 5e 2-Pair Field-Installable 110 Plug
110-3PRP	Category 5e 3-Pair Field-Installable 110 Plug
110-4PRP	Category 5e 4-Pair Field-Installable 110 Plug



# Pre-Connectorized 110 Wiring Blocks

## Pre-Connectorized 110 Wall Mount Wiring Blocks

Wall Mount Wiring Blocks are available in 100- and 300-pair sizes pre-connectorized with 3-, 4-, or 5-pair connecting blocks wired to male or female 50-position Telco connectors. Top or bottom cable entry is available with 3-foot cable stubs as a standard length. Other lengths are available.

PART NO.	DESCRIPTION
100PR-5MX03	100 Pair Wall Mount Panel, (20) 5-Pair Connecting Blocks Wired to (4) Male Telco Connectors.
100PR-4MX03	100 Pair Wall Mount Panel, (20) 4-Pair, (4) 5-Pair Connecting Blocks Wired to (4) Male Telco Connectors
300PR-5MX03	300 Pair Wall Mount Panel, (60) 5-Pair Connecting Blocks Wired to (12) Male Telco Connectors.
300PR-4MX03	100 Pair Wall Mount Panel, (60) 4-Pair, (12) 5-Pair Connecting Blocks Wired to (12) Male Telco Connectors

Note: For top entry substitute T for X in P/N. For bottom entry substitute B for X in P/N.  
 For bottom entry substitute B for X in P/N. For female Telco substitute F for M in P/N.  
 For female Telco substitute F for M in P/N.  
 For other length cable stubs substitute 03 for desired length.

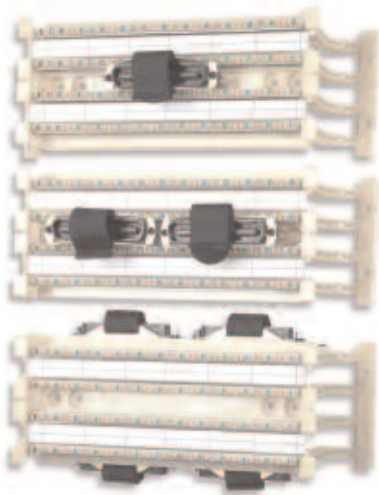


## Pre-Connectorized 110 Wall Mount Wiring Blocks

Wall mount 110 wiring blocks are available in 25-, 50-, and 100-pair sizes and are ideal for small voice and data cross-connect applications. Blocks are pre-connectorized with 4- and 5-pair connecting blocks wired to male or female 25-pair Telco connectors.

PART NO.	DESCRIPTION
WM25PRL-1M4	25-Pair 110 Block w/(5) 4-Pair, (1) 5-Pair Connecting Blocks Wired to (1) 25-Pair Male Telco Connector
WM50PRL-2M4	50-Pair 110 Block w/(10) 4-Pair, (2) 5-Pair Connecting Blocks Wired to (2) 25-Pair Male Telco Connector
WM100PRL-4M4	100-Pair 110 Block w/(20) 4-Pair, (4) 5-Pair Connecting Blocks Wired to (4) 25-Pair Male Telco Connector

For female 25-pair telco connector substitute F for M in P/N.  
 For wiring blocks without legs eliminate L in P/N.  
 Pre-connectorized blocks can be specified with 3- or 5-pair connecting blocks.



## Termination Tools

Signamax multi-pair termination tool is a versatile impact tool designed to terminate and cut twisted-pair cable conductors and seat connecting blocks. The tools feature an ergonomically designed handle to provide a no-slip grip. Our single-position impact tool is available to terminate to either 66 or 110 blocks and is spring-loaded and tension-adjustable. Replacement blades are available.

PART NO.	DESCRIPTION
1106-4PRT	4-Pair Impact Tool for 4-Pair Category 6 110 Connecting Blocks
110-5PRT	5-Pair Impact Tool for Category 5e 110 Connecting Blocks
1106-4PRH	4-Pair 110 Impact Tool Replacement Head and Blade
110-5PRH	5-Pair 110 Impact Tool Replacement Head and Blade
T110	1-Position 110 Impact Termination Tool
T66	1-Position 66 Impact Termination Tool
T110BL	1-Position 110 Termination Blade
T66BL	1-Position 66 Termination Blade

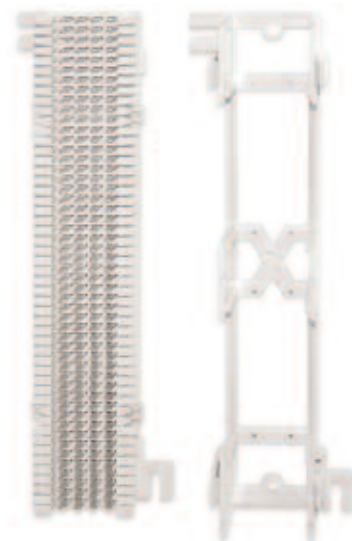


## 66 Blocks and Accessories

### 66 Blocks

For voice and data applications 66 Blocks are available in a 50-pair type. This block is designed for category 5e performance to support high-bandwidth applications.

PART NO.	DESCRIPTION
SM66M1-50	50-Pair 66 Block



### 66 Block Accessories

PART NO.	DESCRIPTION
SM66M1-89D	89D 66 Block Mounting Bracket
SM66M1-CC	Snap-On Clear Cover for 50-Pair 66 Block
SM66M1-OR	Orange Hinged Cover for 50-Pair 66 Block
SM66M1-BU	Blue Hinged Cover for 50-Pair 66 Block
SM66M1-BC	Bridging Clips for 50-Pair 66 Blocks, Package of 100
SM66M1-WMS	Wire Management Spool with Screw
SM66M1-WM	Wire Management Spool without Screw

Covers of other standard colors are available.



### Pre-Connectorized 66 Blocks

For voice applications 66 Blocks are available pre-wired with one or two 25-pair Telco connectors. Blocks can be specified with male or female connectors. Blocks are designed for top cable entry.

PART NO.	DESCRIPTION
66M1-25M	66 Block Wired to (1) Male 25-Pair Telco Connector
66M1-25F	66 Block Wired to (1) Female 25-Pair Telco Connector
66M1-50M	66 Block Wired to (2) Male 25-Pair Telco Connectors
66M1-50F	66 Block Wired to (2) Female 25-Pair Telco Connectors



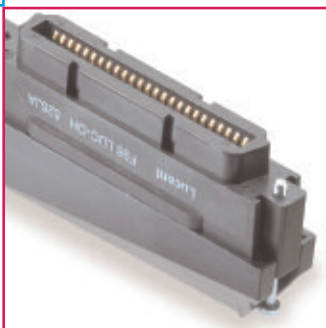
Patch Cords / Cable / Cable Assemblies



Premise Connectivity Systems

# Patch Cords/Cable/ Cable Assemblies





Category 6A 10G Patch Cords	C1
Category 6 Patch Cords	C2
Category 5e Patch Cords	C3
Category 6 and 5e 110 Patch Cords	C4
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Category 5e Industrial Grade Plug Assemblies	C6
Category 6 and 5e Industrial Grade Patch Cords	C7
Category 5e 25-Pair Telco Cable Assemblies	C8
Category 3 25-Pair Telco Cable Assemblies	C8
Pre-Terminated Copper Trunk Assemblies	C9
Category 6A, 6 and 5e Cable	C10



## Category 6A 10G Patch Cords

Signamax Connectivity Systems category 6A patch cords are designed to meet 10 Gigabit Ethernet IEEE 802.3an rev. 1.0 transmission requirements, and are guaranteed to meet ANSI/TIA-568-C.2 channel performance. Cords are 100% transmission tested and support category 6A 100-meter channel performance. Assembled in a controlled environment using advanced manufacturing techniques to insure consistent quality these patch cords provide reliable performance when mated with our category 6A connecting hardware and deliver supreme performance for network cabling systems.

Signamax category 6A patch cords incorporate slim-profile snag-free boots, which protect the plug latch, and a flexible, but durable cable strain relief and are compatible with both T568A and T568B wiring schemes. Patch cords are manufactured using ETL-verified 26-AWG stranded cable designed for greater flexibility and service life.

### Category 6A 10G Patch Cords

PART NO.	DESCRIPTION	LENGTH
C6A-114CC-3FB	Category 6A Patch Cords w/Snag-Proof Boots	3 ft
C6A-114CC-5FB	Category 6A Patch Cords w/Snag-Proof Boots	5 ft
C6A-114CC-7FB	Category 6A Patch Cords w/Snag-Proof Boots	7 ft
C6A-114CC-10FB	Category 6A Patch Cords w/Snag-Proof Boots	10 ft
C6A-114CC-15FB	Category 6A Patch Cords w/Snag-Proof Boots	15 ft
C6A-114CC-20FB	Category 6A Patch Cords w/Snag-Proof Boots	20 ft
C6A-114CC-25FB	Category 6A Patch Cords w/Snag-Proof Boots	25 ft

For cable color substitute CC for color in P/N. Other lengths are available.

**-BK** (Black) **-BU** (Blue) **-GY** (Gray) **-RD** (Red) **-WH** (White) **-YE** (Yellow)

Part Number Example: C6A-114BU-7FB  
Category 6A Patch Cord with Snag-Proof Boot, Blue, 7 ft.



### Category 6A 10G Screened Patch Cords

PART NO.	DESCRIPTION	LENGTH
C6AS-314GY-3FB	Category 6A Screened Patch Cords w/Snag-Proof Boots	3 ft
C6AS-314GY-5FB	Category 6A Screened Patch Cords w/Snag-Proof Boots	5 ft
C6AS-314GY-7FB	Category 6A Screened Patch Cords w/Snag-Proof Boots	7 ft
C6AS-314GY-10FB	Category 6A Screened Patch Cords w/Snag-Proof Boots	10 ft
C6AS-314GY-15FB	Category 6A Screened Patch Cords w/Snag-Proof Boots	15 ft
C6AS-314GY-20FB	Category 6A Screened Patch Cords w/Snag-Proof Boots	20 ft
C6AS-314GY-25FB	Category 6A Screened Patch Cords w/Snag-Proof Boots	25 ft

Standard cable color is gray. Other colors and lengths are available.



## Category 6 Patch Cords

Signamax continues to set the standard for high-quality, high-performance patch cords with two series of category 6 patch cords. Our category 6 cords are 100% transmission tested to component performance as specified in ANSI/TIA-568-C.2. Assembled in a controlled environment using advanced manufacturing techniques to ensure consistent quality, these patch cords provide exceptional performance when mated with our category 6 connecting hardware.

Our Channel-Level Category 6 cords provide an excellent level of performance and are designed for less demanding applications. These cords are 100% tested in a 4-connector channel configuration to ensure consistent performance.

Both types of Signamax category 6 patch cords incorporate slim-profile snag-free boots, which protect the plug latch, and a flexible, but durable cable strain relief and are compatible with both T568A and T568B wiring schemes. Category 6 and Category 6 Channel-Level patch cords are manufactured using ETL-verified stranded cable designed for greater flexibility and service life and are available in eight popular colors and a variety of standard lengths.

### Category 6 Patch Cords

PART NO.	DESCRIPTION	LENGTH
C6C-114CC-3FB	Category 6 Patch Cords w/Snag-Proof Boots	3 ft
C6C-114CC-5FB	Category 6 Patch Cords w/Snag-Proof Boots	5 ft
C6C-114CC-7FB	Category 6 Patch Cords w/Snag-Proof Boots	7 ft
C6C-114CC-10FB	Category 6 Patch Cords w/Snag-Proof Boots	10 ft
C6C-114CC-15FB	Category 6 Patch Cords w/Snag-Proof Boots	15 ft
C6C-114CC-20FB	Category 6 Patch Cords w/Snag-Proof Boots	20 ft
C6C-114CC-25FB	Category 6 Patch Cords w/Snag-Proof Boots	25 ft

For cable color substitute CC for color in P/N. Other lengths are available.

**-BK (Black)** **-BU (Blue)** **-GN (Green)** **-GY (Gray)** **-OR (Orange)** **-RD (Red)** **-WH (White)** **-YE (Yellow)**

Part Number Example: C6C-115BU-7FB  
Category 6 Patch Cord with Snag-Proof Boot, Blue, 7 ft.



### Category 6 Channel-Level Patch Cords

PART NO.	DESCRIPTION	LENGTH
C6-115CC-3FB	Category 6 Channel-Level Patch Cords w/Snag-Proof Boots	3 ft
C6-115CC-5FB	Category 6 Channel-Level Patch Cords w/Snag-Proof Boots	5 ft
C6-115CC-7FB	Category 6 Channel-Level Patch Cords w/Snag-Proof Boots	7 ft
C6-115CC-10FB	Category 6 Channel-Level Patch Cords w/Snag-Proof Boots	10 ft
C6-115CC-14FB	Category 6 Channel-Level Patch Cords w/Snag-Proof Boots	14 ft
C6-115CC-25FB	Category 6 Channel-Level Patch Cords w/Snag-Proof Boots	25 ft
C6-115CC-50FB	Category 6 Channel-Level Patch Cords w/Snag-Proof Boots	50 ft
C6-115CC-100FB	Category 6 Channel-Level Patch Cords w/Snag-Proof Boots	100 ft

For cable color substitute CC for color in P/N. Other lengths are available.

**-BK (Black)** **-BU (Blue)** **-GN (Green)** **-GY (Gray)** **-OR (Orange)** **-RD (Red)** **-WH (White)** **-YE (Yellow)**

Part Number Example: C6-115BU-7FB  
Category 6 Channel-Level Patch Cord with Snag-Proof Boot, Blue, 7 ft.



### Category 6 Screened Patch Cords

PART NO.	DESCRIPTION	LENGTH
C6CS-314GY-3FB	Category 6 Screened Patch Cords w/Snag-Proof Boots	3 ft
C6CS-314GY-5FB	Category 6 Screened Patch Cords w/Snag-Proof Boots	5 ft
C6CS-314GY-7FB	Category 6 Screened Patch Cords w/Snag-Proof Boots	7 ft
C6CS-314GY-10FB	Category 6 Screened Patch Cords w/Snag-Proof Boots	10 ft
C6CS-314GY-15FB	Category 6 Screened Patch Cords w/Snag-Proof Boots	15 ft
C6CS-314GY-20FB	Category 6 Screened Patch Cords w/Snag-Proof Boots	20 ft
C6CS-314GY-25FB	Category 6 Screened Patch Cords w/Snag-Proof Boots	25 ft

Standard cable color is gray. Other colors and lengths are available.



## Category 5e Patch Cords

Category 5e unscreened and screened cords are 100% transmission tested to component performance as specified in ANSI/TIA-568-C.2. Assembled in a controlled environment using advanced manufacturing techniques to ensure consistent quality, these patch cords provide exceptional performance when mated with our category 5e connecting hardware and deliver supreme performance for network cabling systems. Category 5e patch cords incorporate slim-profile snag-free boots, which protect the plug latch, and a flexible, but durable cable strain relief and are compatible with both T568A and T568B wiring schemes. Patch cords are manufactured using ETL-verified 26-AWG stranded cable designed for greater flexibility and service life and are available in eight popular colors and in seven standard lengths.

Signamax category 5e channel-level cords provide an excellent level of channel performance and are designed for less demanding applications. These cords are 100% tested in a 4-connector channel configuration to ensure consistent performance. Signamax category 5e channel-level patch cords are compatible with both T568A and T568B wiring schemes.

### Category 5e Patch Cords

PART NO.	DESCRIPTION	LENGTH
C5EC-114CC-3FB	Category 5e Patch Cords w/Snag-Proof Boots	3 ft
C5EC-114CC-5FB	Category 5e Patch Cords w/Snag-Proof Boots	5 ft
C5EC-114CC-7FB	Category 5e Patch Cords w/Snag-Proof Boots	7 ft
C5EC-114CC-10FB	Category 5e Patch Cords w/Snag-Proof Boots	10 ft
C5EC-114CC-15FB	Category 5e Patch Cords w/Snag-Proof Boots	15 ft
C5EC-114CC-20FB	Category 5e Patch Cords w/Snag-Proof Boots	20 ft
C5EC-114CC-25FB	Category 5e Patch Cords w/Snag-Proof Boots	25 ft

For cable color substitute CC for color in P/N. Other lengths are available.

**-BK** (Black) **-BU** (Blue) **-GN** (Green) **-GY** (Gray) **-OR** (Orange) **-RD** (Red) **-WH** (White) **-YE** (Yellow)

Part Number Example: C5EC-114BU-7FB  
Category 5e Patch Cord with Snag-Proof Boot, Blue, 7 ft.



### Category 5e Channel-Level Patch Cords

DESCRIPTION	PART NO.	PART NO.
	Snag-Proof Boots	No Boots
Category 5e Channel-Level Patch Cords, 1 ft	C5E-114CC-1FB	C5E-121CC-1FB
Category 5e Channel-Level Patch Cords, 3 ft	C5E-114CC-3FB	C5E-121CC-3FB
Category 5e Channel-Level Patch Cords, 5 ft	C5E-114CC-5FB	C5E-121CC-5FB
Category 5e Channel-Level Patch Cords, 7 ft	C5E-114CC-7FB	C5E-121CC-7FB
Category 5e Channel-Level Patch Cords, 10 ft	C5E-114CC-10FB	C5E-121CC-10FB
Category 5e Channel-Level Patch Cords, 14 ft	C5E-114CC-14FB	C5E-121CC-14FB
Category 5e Channel-Level Patch Cords, 25 ft	C5E-114CC-25FB	C5E-121CC-25FB
Category 5e Channel-Level Patch Cords, 50 ft	C5E-114CC-50FB	C5E-121CC-50FB
Category 5e Channel-Level Patch Cords, 100 ft	C5E-114CC-100FB	C5E-121CC-100FB

For cable color substitute CC for color in P/N. Other lengths are available (C5E-121XX series only).

**-BK** (Black) **-BU** (Blue) **-GN** (Green) **-GY** (Gray) **-OR** (Orange) **-RD** (Red) **-WH** (White) **-YE** (Yellow)

Part Number Example: C5E-114BU-7FB  
Category 5e Channel-Level Patch Cord with Snag-Proof Boot, Blue, 7 ft.



### Category 5e Screened Patch Cords

PART NO.	DESCRIPTION	LENGTH
C5ES-314GY-3FB	Category 5e Screened Patch Cords w/Snag-Proof Boots	3 ft
C5ES-314GY-5FB	Category 5e Screened Patch Cords w/Snag-Proof Boots	5 ft
C5ES-314GY-7FB	Category 5e Screened Patch Cords w/Snag-Proof Boots	7 ft
C5ES-314GY-10FB	Category 5e Screened Patch Cords w/Snag-Proof Boots	10 ft
C5ES-314GY-15FB	Category 5e Screened Patch Cords w/Snag-Proof Boots	15 ft
C5ES-314GY-20FB	Category 5e Screened Patch Cords w/Snag-Proof Boots	20 ft
C5ES-314GY-25FB	Category 5e Screened Patch Cords w/Snag-Proof Boots	25 ft

Standard cable color is gray. Other colors and lengths are available.



## Category 6 and 5e 110 Patch Cords

### Category 6 110 Patch Cords

Category 6 110 Patch Cords exceed performance specifications as defined in ANSI/TIA-568-C.2. Patch cords are available with four-pair 110 plugs and are used for patching between category 6 110 termination fields. Category 6 RJ-45/110 Patch Cords are available in four-pair configurations wired to T568B wiring scheme. RJ-45/110 Patch Cords are used for patching between equipment and category 6 110 termination fields. All cords are 100% factory performance tested.

PART NO.	DESCRIPTION	LENGTH
<b>Category 6 110 to 110</b>		
C6C-4P-GY-3B	Category 6 4-Pair 110 Patch Cords	3 ft
C6C-4P-GY-5B	Category 6 4-Pair 110 Patch Cords	5 ft
C6C-4P-GY-7B	Category 6 4-Pair 110 Patch Cords	7 ft
C6C-4P-GY-10B	Category 6 4-Pair 110 Patch Cords	10 ft
C6C-4P-GY-15B	Category 6 4-Pair 110 Patch Cords	15 ft
C6C-4P-GY-30B	Category 6 4-Pair 110 Patch Cords	20 ft
<b>Category 6 RJ-45 to 110 Patch Cords</b>		
C6C-4P-458B-GY-3B	Category 6 RJ-45 to 4-Pair 110 Patch Cords	3 ft
C6C-4P-458B-GY-5B	Category 6 RJ-45 to 4-Pair 110 Patch Cords	5 ft
C6C-4P-458B-GY-7B	Category 6 RJ-45 to 4-Pair 110 Patch Cords	7 ft
C6C-4P-458B-GY-10B	Category 6 RJ-45 to 4-Pair 110 Patch Cords	10 ft
C6C-4P-458B-GY-15B	Category 6 RJ-45 to 4-Pair 110 Patch Cords	15 ft
C6C-4P-458B-GY-20B	Category 6 RJ-45 to 4-Pair 110 Patch Cords	20 ft

Standard cable color is gray. Other colors and lengths are available.



### Category 5e 110 Patch Cords

Category 5e 110 Patch Cords are assembled using stranded cable that exceeds category 5e specifications. Patch cords are available with one-, two-, three-, and four-pair 110 plugs and are used for patching between 110 termination fields. All cords are 100% factory tested. Category 5e RJ-45/110 Patch Cords are available in four-pair configurations wired to T568B wiring scheme. RJ-45/110 Patch Cords are used for patching between equipment and 110 termination fields.

PART NO.	DESCRIPTION	LENGTH
<b>Category 5e 110 to 110</b>		
C5E-4P-GY-3B	Category 5e 4-Pair 110 Patch Cords	3 ft
C5E-4P-GY-5B	Category 5e 4-Pair 110 Patch Cords	5 ft
C5E-4P-GY-7B	Category 5e 4-Pair 110 Patch Cords	7 ft
C5E-4P-GY-10B	Category 5e 4-Pair 110 Patch Cords	10 ft
C5E-4P-GY-15B	Category 5e 4-Pair 110 Patch Cords	15 ft
C5E-4P-GY-20B	Category 5e 4-Pair 110 Patch Cords	20 ft
<b>Category 5e RJ-45 to 110 Patch Cords</b>		
C5E-4P-458B-GY-3B	Category 5e RJ-45 to 4-Pair 110 Patch Cords	3 ft
C5E-4P-458B-GY-5B	Category 5e RJ-45 to 4-Pair 110 Patch Cords	5 ft
C5E-4P-458B-GY-7B	Category 5e RJ-45 to 4-Pair 110 Patch Cords	7 ft
C5E-4P-458B-GY-10B	Category 5e RJ-45 to 4-Pair 110 Patch Cords	10 ft
C5E-4P-458B-GY-15B	Category 5e RJ-45 to 4-Pair 110 Patch Cords	15 ft
C5E-4P-458B-GY-20B	Category 5e RJ-45 to 4-Pair 110 Patch Cords	20 ft

Standard cable color is gray. Other colors and lengths are available.

Patch cords are available in 1-Pair, 2-Pair and 3-Pair configurations





## Crossover Patch Cords

Category 6 and Category 5e Crossover Patch Cords are assembled using stranded cable that exceeds ANSI/TIA-568-C.2 performance specifications. Crossover Patch Cords are used for connecting uplink ports on network hubs. All cables are 100% factory tested.

PART NO.	DESCRIPTION	LENGTH
<b>Category 6 Crossover Cords</b>		
C6XB-112BK-3FB	Cat 6 Crossover Cord w/Black Cable, Yellow Boots	3 ft
C6XB-112BK-5FB	Cat 6 Crossover Cord w/Black Cable, Yellow Boots	5 ft
C6XB-112BK-7FB	Cat 6 Crossover Cord w/Black Cable, Yellow Boots	7 ft
C6XB-112BK-10FB	Cat 6 Crossover Cord w/Black Cable, Yellow Boots	10 ft
C6XB-112BK-15FB	Cat 6 Crossover Cord w/Black Cable, Yellow Boots	15 ft
C6XB-112BK-20FB	Cat 6 Crossover Cord w/Black Cable, Yellow Boots	20 ft
<b>Category 5e Crossover Cords</b>		
C5EXB-112YE-3FB	Cat 5e Crossover Cord w/Yellow Cable, Black Boots	3 ft
C5EXB-112YE-5FB	Cat 5e Crossover Cord w/Yellow Cable, Black Boots	5 ft
C5EXB-112YE-7FB	Cat 5e Crossover Cord w/Yellow Cable, Black Boots	7 ft
C5EXB-112YE-10FB	Cat 5e Crossover Cord w/Yellow Cable, Black Boots	10 ft
C5EXB-112YE-15FB	Cat 5e Crossover Cord w/Yellow Cable, Black Boots	15 ft
C5EXB-112YE-20FB	Cat 5e Crossover Cord w/Yellow Cable, Black Boots	20 ft
<b>Category 5e Crossover Cords</b>		
C5EX-112RD-3FB	Cat 5e Crossover Cord, Red Cable, No Boots	3 ft
C5EX-112RD-5FB	Cat 5e Crossover Cord, Red Cable, No Boots	5 ft
C5EX-112RD-7FB	Cat 5e Crossover Cord, Red Cable, No Boots	7 ft
C5EX-112RD-10FB	Cat 5e Crossover Cord, Red Cable, No Boots	10 ft
C5EX-112RD-14FB	Cat 5e Crossover Cord, Red Cable, No Boots	14 ft
C5EX-112RD-25FB	Cat 5e Crossover Cord, Red Cable, No Boots	25 ft



## Modular Plugs

Modular Plugs are available for termination of patch cords. All plugs have contacts plated with 50 micro-inches of gold and are designed for termination of stranded or solid cable.

PART NO.	DESCRIPTION
KRJ45/5E-100	Category 5e Compatible 8P/8C Modular Plug for 24 AWG UTP Stranded Cable.
KRJ45/5SH-100	Category 5e Compatible 8P/8C Modular Plug for 24-26 AWG FTP Stranded Cable
KRJ45/5-100	Category 5 Compatible 8P/8C Modular Plug for 24 AWG UTP Stranded Cable
KRJ45/5SLD-100	Category 5 Compatible 8P/8C Modular Plug for 24 AWG UTP Solid Cable
KRJ12-C5/100	Voice Grade 6P/6C Modular Plug for 24 AWG UTP Stranded Cable
KRJ11-C5/100	Voice Grade 6P/4C Modular Plug for 24 AWG UTP Stranded Cable
KRJ12SLD-100	Voice Grade 6P/6C Modular Plug for 24 AWG UTP Solid Cable
KRJ45/100	Voice Grade 8P/8C Modular Plug for 28 AWG Flat Cable
KRJ12/100	Voice Grade 6P/6C Modular Plug for 28 AWG Flat Cable
KRJ11/100	Voice Grade 6P/4C Modular Plug for 28 AWG Flat Cable

Modular plugs are sold in packages of 100.





## Modular Crimp Tool

This ratchet-style crimp tool that cuts, strips cable, and crimps modular plugs on both round or flat cables. The ratchet design maintains accurate alignment with the plug for a precision crimp. The tool will crimp 4- and 6-position (RJ-12-style) and 8-position (RJ-45-style) plugs.



PART NO.	DESCRIPTION
TRJ45P	RJ-12/45 Dual Crimp Tool, Ratchet Type

## Strain Relief Boots

Snag-Proof Strain Relief Boots are available in a variety of colors. The boots protect against damage to the connector latch and help maintain the proper bend radius of the cable to ensure performance.



PART NO.	DESCRIPTION
S45SP-BC/100	Snag-Proof Strain Relief Boots, Package of 100

For boot color substitute CC for color in P/N.

-BK (Black)	-BU (Blue)	-GN (Green)	-GY (Gray)	-OR (Orange)	-RD (Red)	-WH (White)	-YE (Yellow)
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## Category 6 Field-Installable 110 Plug

Category 6 Field-Installable 110 Plug is available in a 4-pair size and accommodates 24- to 26-AWG stranded cable. The plug easily assembled in the field to provide the flexibility and quick termination of any length patch cord. The snap-together designed plugs are polarized to ensure a proper connection to the connecting blocks.



PART NO.	DESCRIPTION
1106-4PRP	Category 6 4-Pair Field-Installable 110 Plug

## Category 5e Field-Installable 110 Plugs

Category 5e Field-Installable 110 Plugs are available in 1-, 2-, 3-, and 4-pair sizes and accommodate 24- to 26-AWG stranded cable. Plugs are easily assembled in the field to provide the flexibility and quick termination of any length patch cord. The snap-together designed plugs are polarized to ensure a proper connection to the connecting blocks.



PART NO.	DESCRIPTION
110-1PRP	Category 5e 1-Pair Field-Installable 110 Plug
110-2PRP	Category 5e 2-Pair Field-Installable 110 Plug
110-3PRP	Category 5e 3-Pair Field-Installable 110 Plug
110-4PRP	Category 5e 4-Pair Field-Installable 110 Plug

## Category 5e Field-Installable Industrial Grade Plugs Assemblies

Category 5e Industrial Grade Plug Assemblies are available in an unscreened (UTP) and screened (FTP) versions. These field-installable connectors are supplied with an 8P/8C plug, industrial housing and a protective cap. Plugs are easily assembled in the field and accommodate 24- to 26-AWG stranded cable.



PART NO.	DESCRIPTION
KRJ45IG-C5E	Category 5e Unscreened (UTP) Field-Installable Industrial Plug
KRJS45IG-C5E	Category 5e Screened (FTP) Field-Installable Industrial Plug

## Industrial Grade Patch Cords

Signamax industrial-grade patch cords provide the same high-level transmission performance as other Signamax cords intended for regular commercial applications, but with a robustness capable to withstand harsh environments typical to factory floors, chemical, food processing plants, etc. Unique IP67-rated plug housing design along with industrial-grade stranded cable (category 5e only) guarantee superb protection against liquid and solid agents penetration, against vibrations, and for a long-life reliable performance. Cords are furnished with dust caps on the protected ends to prevent exposure of unplugged connectors.



### Category 6 Industrial Grade Patch Cords

PART NO.	DESCRIPTION	LENGTH
<b>Industrial Plug-to-Industrial Plug</b>		
C6-116IG-3FB	Category 6 Industrial Plug-to-Industrial Plug	3 ft
C6-116IG-5FB	Category 6 Industrial Plug-to-Industrial Plug	5 ft
C6-116IG-7FB	Category 6 Industrial Plug-to-Industrial Plug	7 ft
C6-116IG-10FB	Category 6 Industrial Plug-to-Industrial Plug	10 ft
C6-116IG-15FB	Category 6 Industrial Plug-to-Industrial Plug	15 ft
C6-116IG-20FB	Category 6 Industrial Plug-to-Industrial Plug	20 ft
<b>Industrial Plug-to-RJ-45</b>		
C6-117IG-3FB	Category 6 Industrial Plug-to-RJ-45	3 ft
C6-117IG-5FB	Category 6 Industrial Plug-to-RJ-45	5 ft
C6-117IG-7FB	Category 6 Industrial Plug-to-RJ-45	7 ft
C6-117IG-10FB	Category 6 Industrial Plug-to-RJ-45	10 ft
C6-117IG-15FB	Category 6 Industrial Plug-to-RJ-45	15 ft
C6-117IG-20FB	Category 6 Industrial Plug-to-RJ-45	20 ft

Standard cable color is black. Other colors and lengths are available.  
Category 6 patch cords are manufactured using commercial grade cable.

### Category 5e Industrial Grade Patch Cords

PART NO.	DESCRIPTION	LENGTH
<b>Industrial Plug-to-Industrial Plug</b>		
C5E-116IG-3FB	Category 5e Industrial Plug-to-Industrial Plug	3 ft
C5E-116IG-5FB	Category 5e Industrial Plug-to-Industrial Plug	5 ft
C5E-116IG-7FB	Category 5e Industrial Plug-to-Industrial Plug	7 ft
C5E-116IG-10FB	Category 5e Industrial Plug-to-Industrial Plug	10 ft
C5E-116IG-15FB	Category 5e Industrial Plug-to-Industrial Plug	15 ft
C5E-116IG-20FB	Category 5e Industrial Plug-to-Industrial Plug	20 ft
<b>Industrial Plug-to-RJ-45</b>		
C5E-117IG-3FB	Category 5e Industrial Plug-to-RJ-45	3 ft
C5E-117IG-5FB	Category 5e Industrial Plug-to-RJ-45	5 ft
C5E-117IG-7FB	Category 5e Industrial Plug-to-RJ-45	7 ft
C5E-117IG-10FB	Category 5e Industrial Plug-to-RJ-45	10 ft
C5E-117IG-15FB	Category 5e Industrial Plug-to-RJ-45	15 ft
C5E-117IG-20FB	Category 5e Industrial Plug-to-RJ-45	20 ft

Standard cable color is black. Other colors and lengths are available.  
Category 5e patch cords are manufactured using industrial grade petroleum and UV resistant cable.

## 25-Pair Telco Cable Assemblies

### Category 5e 25-Pair Cable Assemblies

Category 5e 25-Pair Telco Assemblies are constructed using category 5e compliant cable in both riser (PVC) and plenum versions. Cables are available in single-ended male or female, double-ended male or female, and double-ended male/female configurations. Telco connector hoods are available in 90-, 110-, or 180-degree cable exit.



### Category 5e 25-Pair Cable Assembly Configurator

CATEGORY 5e 25-PAIR CABLE	CABLE TYPE	CONNECTOR END ONE	CONNECTOR END TWO	LENGTH	UNIT OF MEASURE
C525	X	XX	XX	XXX	X
	R = Riser P = Plenum	M9 = Male 90° Exit F9 = Female 90° Exit M1 = Male 110° Exit F1 = Female 110° Exit M8 = Male 180° Exit F8 = Female 180° Exit	M9 = Male 90° Exit F9 = Female 90° Exit M1 = Male 110° Exit F1 = Female 110° Exit M8 = Male 180° Exit F8 = Female 180° Exit B = Blunt Cut	001 - 999	F = Feet M = Meters

Part Number Example: C525-P-F1-F1-025F

25-Pair Cable Assembly, CMP Rated Cable, Female 110° Exit to Female 110° Exit, 25 Feet

### 10/100BaseT/TX Adapter Cables

10/100BaseTX Adapter Cables connect to 10/100BaseT/TX Ethernet equipment with RJ-45 interface connectors. The 12-leg, 4-wire adapter cable is constructed using category 5e 25-pair cable and wired to 10/100BaseTX standards using pins 1, 2, 3, & 6. The 50-position (RJ-21X) Telco style connector is available in male or female with various style cable exit hoods.

PART NO.	DESCRIPTION
12LC5-M1-S-3	10/100 BaseT/TX 12-Leg Adapter Cable, Straight, 3 ft.
12LC5-M1-X-3	10/100 BaseT/TX 12-Leg Adapter Cable, Staggered, 3 ft.

25-pair connector is male 110° exit. For other types substitute M1 for connector type in P/N.

F1 = Female 110° Exit M9 = Male 90° Exit F9 = Female 90° Exit

M8 = Male 180° Exit F8 = Female 180° Exit

### Category 3 25-Pair Cable Assemblies

Assemblies are constructed using category 3 compliant cable in both riser (PVC) and plenum versions. Cables are available in single-ended male or female, double-ended male or female, and double-ended male/female configurations. Telco connector hoods are available in 90- or 180-degree cable exit.



### Category 3 25-Pair Cable Assembly Configurator

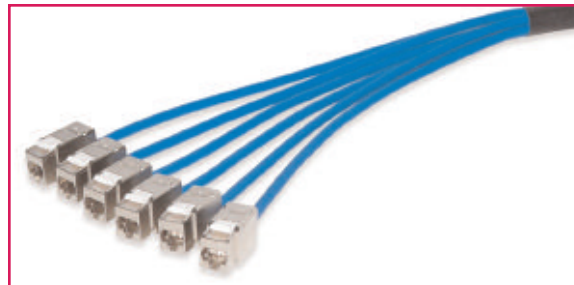
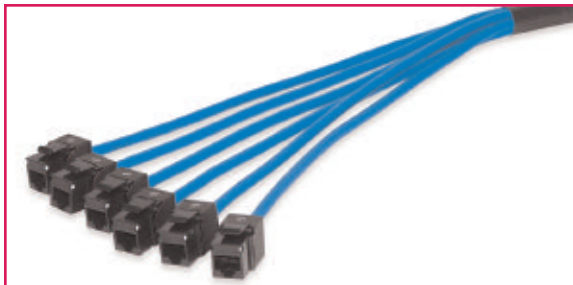
CATEGORY 3 25-PAIR CABLE	CABLE TYPE	CONNECTOR END ONE	CONNECTOR END TWO	LENGTH	UNIT OF MEASURE
C325	X	XX	XX	XXX	X
	R = Riser P = Plenum	M9 = Male 90° Exit F9 = Female 90° Exit M8 = Male 180° Exit F8 = Female 180° Exit	M9 = Male 90° Exit F9 = Female 90° Exit M8 = Male 180° Exit F8 = Female 180° Exit B = Blunt End	001 - 999	F = Feet M = Meters

Part Number Example: C325-R-M9-F9-025F

25-Pair Cable Assembly, Riser Rated Cable, Female 90° Exit to Male 90° Exit, 25 Feet

## Pre-Terminated Copper Trunk Assemblies

Pre-terminated Copper Trunk Assemblies help to reduce significantly both time and cost of a cabling installation. Terminated and tested in a controlled manufacturing environment, cut to the customer pre-ordered lengths, and ready to install in a patch panel, trunk assemblies eliminate all these operations in the field making your job easy and efficient. Trunk cables are available in category 6A, 6 and 5e performance levels. Trunk cable assemblies can be provided in an unscreened (UTP) and screened (FTP) versions in either a jack-to-jack, jack-to-plug or jack to blunt cut configurations to support the widest range of applications. Cables can be used with any field-configurable patch panel.



### Category 6A 10G Pre-Terminated Trunk Assemblies

PART NO.	DESCRIPTION
6L-C6A-JJ-P-FXXX	Category 6A 10G 6-Leg Trunk Cable, Jack to Jack, Unscreened (UTP) Cable, CMP
6L-C6A-JB-P-FXXX	Category 6A 10G 6-Leg Trunk Cable, Jack to Open, Unscreened (UTP) Cable, CMP
6L-C6AS-JJ-P-FXXX	Category 6A 10G 6-Leg Trunk Cable, Jack to Jack, Screened (FTP) Cable, CMP
6L-C6AS-JB-P-FXXX	Category 6A 10G 6-Leg Trunk Cable, Jack to Open, Screened (FTP) Cable, CMP

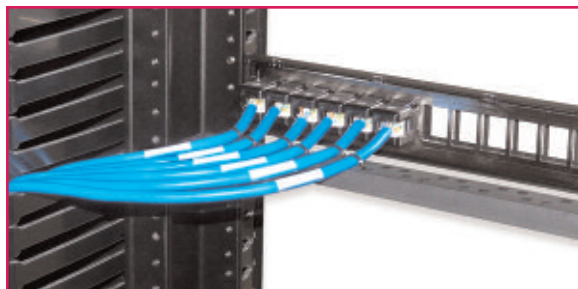
### Category 6 Pre-Terminated Trunk Assemblies

PART NO.	DESCRIPTION
6L-C6-JJ-P-FXXX	Category 6 6-Leg Trunk Cable, Jack to Jack, Unscreened (UTP) Cable, CMP
6L-C6-JP-P-FXXX	Category 6 6-Leg Trunk Cable, Jack to Plug, Unscreened (UTP) Cable, CMP
6L-C6-JB-P-FXXX	Category 6 6-Leg Trunk Cable, Jack to Open, Unscreened (UTP) Cable, CMP
6L-C6S-JJ-P-FXXX	Category 6 6-Leg Trunk Cable, Jack to Jack, Screened (FTP) Cable, CMP
6L-C6S-JB-P-FXXX	Category 6 6-Leg Trunk Cable, Jack to Open, Screened (FTP) Cable, CMP

### Category 5e Pre-Terminated Trunk Assemblies

PART NO.	DESCRIPTION
6L-C5E-JJ-P-FXXX	Category 5e 6-Leg Trunk Cable, Jack to Jack, Unscreened (UTP) Cable, CMP
6L-C5E-JP-P-FXXX	Category 5e 6-Leg Trunk Cable, Jack to Plug, Unscreened (UTP) Cable, CMP
6L-C5E-JB-P-FXXX	Category 5e 6-Leg Trunk Cable, Jack to Open, Unscreened (UTP) Cable, CMP
6L-C5ES-JJ-P-FXXX	Category 5e 6-Leg Trunk Cable, Jack to Jack, Screened (FTP) Cable, CMP
6L-C5ES-JB-P-FXXX	Category 5e 6-Leg Trunk Cable, Jack to Open, Screened (FTP) Cable, CMP

For length substitute XXX for length in feet. Minimum length is 10 ft. Maximum length is 295 ft. Unscreened (UTP) cable color is blue. Screened (FTP) cable is gray. Other colors are available. Standard cable is straight cut for either left or right cable exit. Staggered cut cables are available. For riser (PVC) cable substitute R for P in P/N.



# Cable

## Category 6A Cable

Signamax solid conductor UTP cable is ETL verified to ANSI/TIA-568-C.2 for category 6A cable specifications, UL CMR rated, manufactured to the highest quality standards, and meets all applicable performance specifications of category 6A requirements as per ANSI/TIA and ISO/IEC standards. Flame retardancy is verified according to IEC and UL requirements. RoHS compliance per European Union Directive 2002/95/EC.

PART NO.	DESCRIPTION
BC6A-4P-CC	Category 6A, 4-Pair, 23 AWG Solid Unscreened (UTP) Cable, CMP
BC6A-4CC	Category 6A, 4-Pair, 23 AWG Solid Unscreened (UTP) Cable, CMR (PVC)
BC6AM-4CC	Category 6A, 4-Pair, 23 AWG Solid Unscreened (UTP) Cable, CM (PVC)

For cable color substitute CC for color in P/N. Other colors available as a special request.

**-BU** (Blue) **-GY** (Gray) **-WH** (White) **-YE** (Yellow)

Cable is available for customers outside the U.S. only. Minimum quantity may be required.



## Category 6 Cable

Category 6 4-pair solid conductor cable is ETL verified, manufactured to the highest quality standards, and exceeds all performance specifications for category 6 as defined in ANSI/TIA-568-C.2, ISO/IEC 11801 2nd Edition, CENELEC EN 50173-1, and CENELEC EN 50288. Cable is available in plenum (UL CMP) and riser (UL CMR) versions and is supplied in "tangle-free" cartons of 305 m (1,000 ft). Cable is available in a variety of popular colors. Cable is RoHS compliant per European Union Directive 2002/95/EC.

PART NO.	DESCRIPTION
BC6-4P-CC	Category 6, 4-Pair, 23 AWG Solid Unscreened (UTP) Cable, CMP
BC6-4CC	Category 6, 4-Pair, 23 AWG Solid Unscreened (UTP) Cable, CMR (PVC)
BC6M-4CC	Category 6, 4-Pair, 23 AWG Solid Unscreened (UTP) Cable, CM (PVC)
BC6-4SH	Category 6, 4-Pair, 23 AWG Solid Screened (FTP) Cable, CMR (PVC), Gray Only

For cable color substitute CC for color in P/N. Other colors available as a special request.

**-BU** (Blue) **-GY** (Gray) **-WH** (White) **-YE** (Yellow)

Cable is available for customers outside the U.S. only. Minimum quantity may be required.



## Category 5e Cable

Category 5e 4-pair solid conductor cable is ETL verified, manufactured to the highest quality standards, and exceeds all performance specifications for category 5e as defined in ANSI/TIA-568-C.2, ISO/IEC 11801 2nd Edition, CENELEC EN 50173-1, and CENELEC EN 50288. Cable is available in plenum (UL CMP) and riser (UL CMR) versions and is supplied in "tangle-free" cartons of 305 m (1,000 ft). Cable is available in a variety of popular colors. Cable is RoHS compliant per European Union Directive 2002/95/EC.

PART NO.	DESCRIPTION
BC5E-4P-CC	Category 5e, 4-Pair, 24 AWG Solid Unscreened (UTP) Cable, CMP
BC5E-4CC	Category 5e, 4-Pair, 24 AWG Solid Unscreened (UTP) Cable, CMR (PVC)
BC5EM-4CC	Category 5e, 4-Pair, 24 AWG Solid Unscreened (UTP) Cable, CM (PVC)
BC5E-4SH	Category 5e, 4-Pair, 24 AWG Solid Screened (FTP) Cable, CMR (PVC), Gray Only

For cable color substitute CC for color in P/N. Other colors available as a special request.

**-BU** (Blue) **-GY** (Gray) **-WH** (White) **-YE** (Yellow)

Cable is available for customers outside the U.S. only. Minimum quantity may be required.

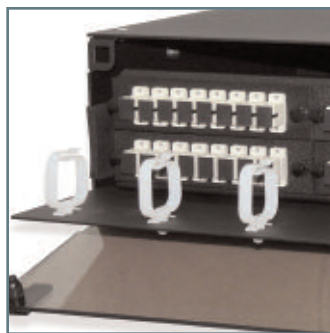




Optical Fiber System

Premise Connectivity Systems

# Optical Fiber SYSTEMS





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## Rack Mount Optical Fiber Enclosures

Optical fiber enclosures provide cross- and interconnections in information transport systems between optical fiber distribution cables, connecting hardware and active equipment, and for mechanical protection of such connections. Signamax rack mount optical fiber enclosures termination density ranges between 18 and 288 fiber connections depending on the enclosure size (1, 2, 3, or 4 RMS) and optical fiber connectors used.

Modular design of Signamax optical fiber adapter plates allows creating flexible connection patterns based on 6-, 8-, 12-, 16- and 24-fiber ST, SC, LC and MT-RJ connector plates, which can be arranged in 3- to 12-adapter groups in any available connector combination. Adapter plates mount easily by means of plunger locks ("pushpins"). All enclosures feature front and rear access hinged panels and sliding-out support stages. The transparent plastic front panel enables visual inspection of the enclosure contents when closed. Internal cable anchor points and fiber slack management mechanisms ensure reliable cable fixing, safe cable/fiber tension and bend radii. Cable entry points are equipped with rubber grommets preventing dust penetration when the entry point is not used, and protecting optical fiber cable from kinks that sharp edges of the enclosure case may cause.

Steel case and high-impact black epoxy-powder anticorrosive paint provide excellent protection of optical fiber connections. Optional optical fiber splice trays/cassettes are available when passive uniform interconnection or transfer from buffered to jacketed fibers are required. Enclosures are supplied with a complete set of fastening elements and installation guidelines.



### 18- to 72-Fiber Slide-Out Rack Mount Optical Fiber Enclosure

PART NO.	DESCRIPTION
UFE3-B	18- to 72-Fiber Rack Mount Optical Fiber Enclosure, Accepts 3 Adapter Plates Dimensions: 1.75"H x 19"W x 13"D



### 24- to 96-Fiber Slide-Out Rack Mount Optical Fiber Enclosure

PART NO.	DESCRIPTION
UFE4-B	24- to 96-Fiber Rack Mount Optical Fiber Enclosure, Accepts 4 Adapter Plates Dimensions: 3.50"H x 19"W x 14"D

## Rack Mount Optical Fiber Enclosures



### 36- to 144-Fiber Slide-Out Rack Mount Optical Fiber Enclosure

PART NO.	DESCRIPTION
UFE6-B	36- to 144-Fiber Rack Mount Optical Fiber Enclosure, Accepts 6 Adapter Plates Dimensions: 5.25"H x 19"W x 14"D



### 72- to 288-Fiber Slide-Out Rack Mount Optical Fiber Enclosure

PART NO.	DESCRIPTION
UFE12-B	72- to 288-Fiber Rack Mount Optical Fiber Enclosure, Accepts 12 Adapter Plates Dimensions: 7"H x 19"W x 14"D

## Optical Fiber Distribution Enclosures

Optical fiber distribution enclosures provide flexibility along with a high termination density when cross- or interconnections and splicing are required together in a single distribution point. Combining features of Signamax rack mount optical fiber enclosures and rack mount optical fiber splice enclosures, fiber distribution enclosures allow to terminate and splice maximum number of optical fibers within one enclosure.

Signamax rack mount optical fiber distribution enclosures termination density ranges between 24 and 288 fiber connections depending on the enclosure size (4 or 8 RMS) and optical fiber connectors used. Modular design of Signamax optical fiber adapter plates allows creating flexible connection patterns based on 6-, 8-, 12-, 16- and 24-fiber ST-, SC-, LC- and MT-RJ-connector plates, which can be arranged in 4- to 12-adapter groups in any available connector combination. Splicing capacity ranges between 24 and 192 splices depending on the enclosure size and number (up to 8) of 24-fiber splice trays used. Unique splice tray stacking mechanism allows adding trays and servicing each of them without disassembling the stack.

All enclosures feature front and rear access hinged panels and sliding-out support stages. The transparent plastic front panel enables visual inspection of the panel contents when closed. Internal cable anchor points and fiber slack management mechanisms ensure reliable cable fixing, safe cable/fiber tension and bend radii. Cable entry points are equipped with rubber grommets preventing dust penetration when the entry point is not used, and protecting optical fiber cable from kinks that sharp edges of the enclosure case may cause. Steel case and high-impact black epoxy-powder anticorrosive paint provide excellent protection of optical fiber connections. Enclosures are supplied with a complete set of fastening elements and installation guidelines.



### Optical Fiber Distribution Enclosures

PART NO.	DESCRIPTION
UFD4-B	24- to 96-Fiber Optical Fiber Distribution Enclosure, Accepts 4 Adapter Plates and 4 (24-Fiber) Splice Trays, Dimensions: 7"H x 19"W x 14"D
UFD12-B	72- to 288-Fiber Optical Fiber Distribution Enclosure, Accepts 12 Adapter Plates and 8 (24-Fiber) Splice Trays, Dimensions: 14"H x 19"W x 14"D



## Rack Mount Optical Fiber Splice Enclosures

Optical fiber splice enclosures are indispensable when interconnection between segments of optical fiber cables is required without connection of active equipment or creation of cross-connections, providing fast, flexible, and cost-effective solution by means of fusion or mechanical splices. Physical protection of such connections and storage of fiber slack are also splice enclosure major functions.

Rack mount optical fiber splice enclosures termination density ranges between 24 and 192 splices depending on the enclosure size (3 or 4 RMS) and number of 24-fiber splice trays used. Unique splice tray stacking mechanism allows adding trays and servicing each of them without disassembling the stack. All enclosures feature front and rear access hinged panels and sliding-out support stages. The transparent plastic front panel enables visual inspection of the enclosure contents when closed. Internal cable anchor points and fiber slack management mechanisms ensure reliable cable fixing, safe cable/fiber tension and bend radii. Cable entry points are equipped with rubber grommets preventing dust penetration when the entry point is not used, and protecting optical fiber cable from kinks that sharp edges of the enclosure case may cause.

Steel case and high-impact black epoxy-powder anticorrosive paint provide excellent protection of optical fiber connections. Enclosures include one 24-fiber splice tray (P/N FST-24P) and are supplied with a complete set of fastening elements and installation guidelines.



### 96-Fiber Slide-Out Splice Tray Enclosure

PART NO.	DESCRIPTION
UFS4-B	96-Fiber Slide-Out Splice Tray Enclosure, Accepts 4 Splice Trays (Includes one FST-24P splice tray) Dimensions: 5.25"H x 19"W x 14"D



### 192-Fiber Slide-Out Splice Tray Enclosure

PART NO.	DESCRIPTION
UFS8-B	192-Fiber Slide-Out Splice Tray Enclosure Accepts 8 Splice Trays (Includes one FST-24P splice tray) Dimensions: 7"H x 19"W x 14"D

## Wall Mount Optical Fiber Enclosures

Wall mount optical fiber enclosures are ideal in small installations and/or where rack and cabinet mounting is not feasible. Most popular applications include demarcation and consolidation points, horizontal mini cross-connects, centralized optical architecture transition points, etc. Physical protection of such connections and storage of fiber slack are also wall mount enclosure major functions. Signamax wall mount optical fiber enclosures termination density ranges between 6 and 48 fiber connections depending on the enclosure capacity (2 or 4 adapter plates) and optical fiber connectors used.

Modular design of Signamax optical fiber adapter plates allows creating flexible connection patterns based on 6-, 8-, 12-, 16- and 24-fiber ST, SC, LC and MT-RJ connector plates, which can be arranged in 2- and 4-adapter groups in any available connector combination. Adapter plates mount easily by means of plunger locks ("pushpins"). All enclosures feature front access hinged doors; two versions are equipped with additional lockable security doors. Internal cable anchor points and fiber slack management mechanisms ensure reliable cable fixing, safe cable/fiber tension and bend radii.

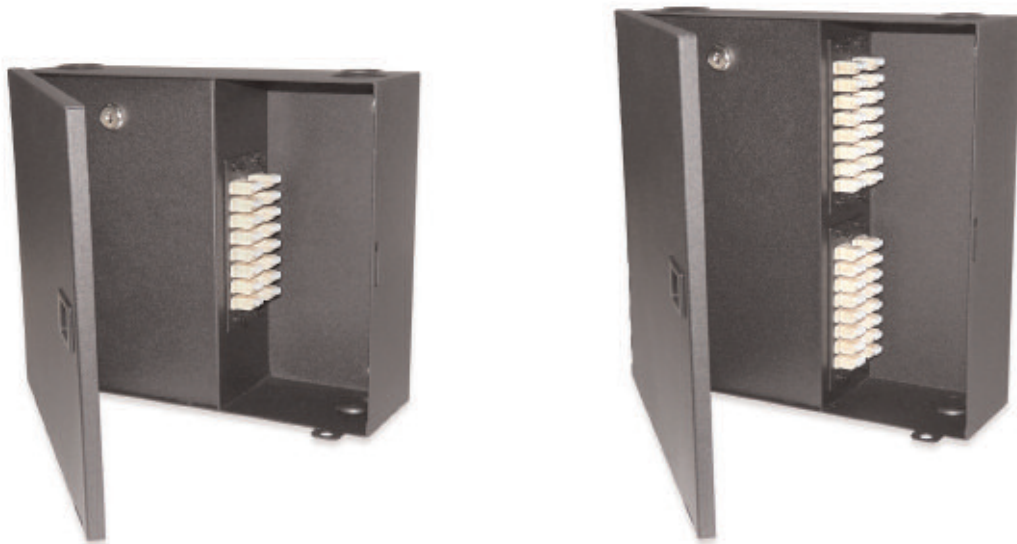
Steel case and high-impact black epoxy-powder anticorrosive paint provide excellent protection of optical fiber connections. Optional optical fiber splice trays/cassettes are available when passive uniform interconnection or transfer from buffered to jacketed fibers are required. Enclosures are supplied with a complete set of fastening elements and installation guidelines.



### Wall Mount Optical Fiber Enclosures

PART NO.	DESCRIPTION
WFE2-B	12- to 48-Fiber Wall Mount Optical Fiber Enclosure Accepts 2 Adapter Plates. Dimensions: 9"H x 10"W x 3.50"D
WFE4-B	24- to 96-Fiber Wall Mount Optical Fiber Enclosure Accepts 4 Adapter Plates. Dimensions: 15"H x 10"W x 3.50"D

## Wall Mount Optical Fiber Enclosures



### Wall Mount Optical Fiber Enclosures w/Security Door

PART NO.	DESCRIPTION
WFE2S-B	12- to 48-Fiber Wall Mount Optical Fiber Enclosure w/Security Door Accepts 2 Adapter Plates. Dimensions: 10.2"H x 12"W x 3.5"D
WFE4S-B	24- to 96-Fiber Wall Mount Optical Fiber Enclosure w/Security Door Accepts 4 Adapter Plates. Dimensions: 12"H x 12"W x 3.5"D

## Rack Mount Slide-Out Optical Fiber Enclosures

Signamax rack mount slide-out enclosures provides a simple, high-density, low-profile solution for easy access and management of optical fiber terminations in a one-rack-space design. The rack mount sliding tray enclosures accommodate up to 72 fibers in ST, SC, MT-RJ and LC connector interfaces. Modular design of Signamax optical fiber adapter plates allows creating flexible connection patterns based on 6-, 8-, 12-, 16- and 24-fiber ST, SC, LC and MT-RJ connector plates, which can be arranged in 2- and 3-adapter groups in any available connector combination. Adapter plates mount easily by means of plunger locks ("pushpins"). Internal cable anchor points and fiber slack management mechanisms ensure reliable cable fixing, safe cable/fiber tension and bend radii.

Steel case and high-impact black epoxy-powder anticorrosive paint provide excellent protection of optical fiber connections. Optional optical fiber splice trays/cassettes are available when passive uniform interconnection or transfer from buffered to jacketed fibers are required. All enclosures are supplied with a complete set of fastening elements and installation guidelines.



### 12- to 48-Fiber Rack Mount Slide-Out Optical Fiber Enclosure

PART NO.	DESCRIPTION
SL2M-B	12- to 48-Fiber Rack Mount Optical Fiber Enclosure, Accepts 2 Adapter Plates Dimensions: 1.75"H x 19"W x 14"D

### 18- to 72-Fiber Rack Mount Slide-Out Optical Fiber Enclosure

PART NO.	DESCRIPTION
SL3M-B	18- to 72-Fiber Rack Mount Optical Fiber Enclosure, Accepts 3 Adapter Plates Dimensions: 1.75"H x 19"W x 14"D

### Splice Tray For SL2M-B and SL3M-B Enclosures

PART NO.	DESCRIPTION
FST-2M-B	12-Fiber Splice Tray for SLXM-B (Up to 2 Splice Trays Per Enclosure)

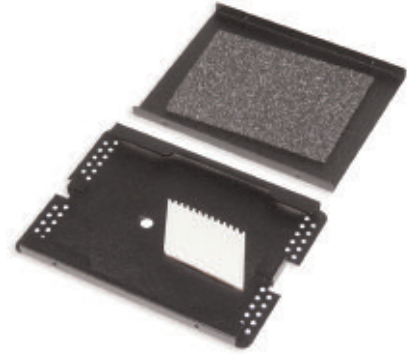


## Splice Trays for Wall and Rack Mount Enclosures

Splice trays are the best solution when interconnection between segments of optical fiber cables is required without connection of active equipment or creation of cross-connections, providing fast, flexible, and cost-effective solution by means of fusion or mechanical splices. Signamax splice trays are available in plastic and metal versions with 12- and 24-fiber capacity. Plastic trays feature a transparent lid allowing visual inspection of the tray contents without opening it. Splice trays are compliant with Telcordia GR-769 (Splice Organizer Assemblies for Optical Fibers).

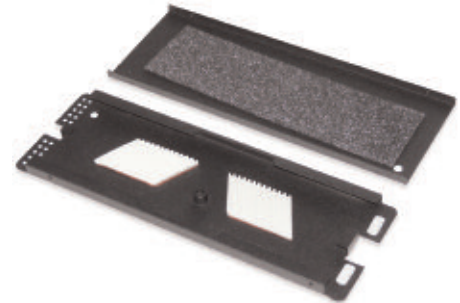
### 12-Fiber Splice Tray

PART NO.	DESCRIPTION
FST-12A	12-Fiber Aluminum Splice Tray. For use with Wall & Rack Mount Optical Fiber Enclosures



### 24-Fiber Splice Tray

PART NO.	DESCRIPTION
FST-24A	24-Fiber Aluminum Splice Tray. For use with Rack Mount Optical Fiber Enclosures



### 24-Fiber Splice Tray

PART NO.	DESCRIPTION
FST-24P	24-Fiber Plastic Splice Tray. For use with Rack Mount Optical Fiber Splice Enclosures and Distribution Enclosures





## Optical Fiber Adapter Plates

Specify optical fiber adapter plates for ST-, SC-, MT-RJ- or LC-type connections. Adapter plates are compatible with all Signamax wall and rack mount optical fiber enclosures and available in 6 simplex and duplex, 8 simplex and duplex and 6 quad configurations with fiber counts of up to 24 per adapter plate. They mount easily by means of plunger locks ("pushpins"). ST, SC and LC connector plates can be equipped with 62.5- $\mu$ m and 50- $\mu$ m adapters suitable for multimode applications or a singlemode only version is available with adapters outfitted with zirconia ceramic sleeves. Our SC and LC 10G multimode laser optimized adapter uses zirconia ceramic sleeves.

### ST Adapter Plates

PART NO.	DESCRIPTION
UFE-B-06ST	6-Fiber (6-Simplex) ST MM Adapter Plate
UFE-B-08ST	8-Fiber (8-Simplex) ST MM Adapter Plate
UFE-B-12ST	12-Fiber (12-Simplex) ST MM Adapter Plate
UFE-B-06ST-C	6-Fiber (6-Simplex) ST SM Adapter Plate
UFE-B-08ST-C	8-Fiber (8-Simplex) ST SM Adapter Plate
UFE-B-12ST-C	12-Fiber (12-Simplex) ST SM Adapter Plate
UFE-B-06ST-B	6 ST Adapter Plate, No Adapters
UFE-B-08ST-B	8 ST Adapter Plate, No Adapters
UFE-B-12ST-B	12 ST Adapter Plate, No Adapters

Multimode adapters use Phosphor Bronze sleeve  
Singlemode adapters use Zirconia Ceramic sleeve



### SC Adapter Plates

PART NO.	DESCRIPTION
UFE-B-06SC	6-Fiber (6-Simplex) SC MM Adapter Plate, Beige Adapters
UFE-B-08SC	8-Fiber (8-Simplex) SC MM Adapter Plate, Beige Adapters
UFE-B-12SC	12-Fiber (6-Duplex) SC MM Adapter Plate, Beige Adapters
UFE-B-06SC-C	6-Fiber (6-Simplex) SC SM Adapter Plate, Blue Adapters
UFE-B-08SC-C	8-Fiber (8-Simplex) SC SM Adapter Plate, Blue Adapters
UFE-B-12SC-C	12-Fiber (6-Duplex) SC SM Adapter Plate, Blue Adapters
UFE-B-06SCA-C	6-Fiber (6-Simplex) SC APC SM Adapter Plate, Green Adapters
UFE-B-08SCA-C	8-Fiber (8-Simplex) SC APC SM Adapter Plate, Green Adapters
UFE-B-12SCA-C	12-Fiber (6-Duplex) SC APC SM Adapter Plate, Green Adapters
UFE-B-06SC-B	6 SC Simplex Adapter Plate, No Adapters
UFE-B-08SC-B	8 SC Simplex Adapter Plate, No Adapters
UFE-B-12SC-B	6 SC Duplex Adapter Plate, No Adapters

Multimode adapters use Phosphor Bronze sleeve  
Singlemode adapters use Zirconia Ceramic sleeve



### SC 10G Adapter Plates

PART NO.	DESCRIPTION
UFE-B-06SC-G	6-Fiber (6-Simplex) SC MM LOF Adapter Plate, Aqua Adapters
UFE-B-08SC-G	8-Fiber (8-Simplex) SC MM LOF Adapter Plate, Aqua Adapters
UFE-B-12SC-G	12-Fiber (6-Duplex) SC MM LOF Adapter Plate, Aqua Adapters

Adapters for multimode laser optimized fiber use Zirconia Ceramic sleeve

# Optical Fiber Adapter Plates

## LC Adapter Plates

PART NO.	DESCRIPTION
UFE-B-06LC	12-Fiber (6-Duplex) LC MM Adapter Plate, Beige Adapters
UFE-B-08LC	16-Fiber (8-Duplex) LC MM Adapter Plate, Beige Adapters
UFE-B-12LC	24-Fiber (6-Quad) LC MM Adapter Plate, Beige Adapters
UFE-B-06LC-C	12-Fiber (6-Duplex) LC SM Adapter Plate, Blue Adapters
UFE-B-08LC-C	16-Fiber (8-Duplex) LC SM Adapter Plate, Blue Adapters
UFE-B-12LC-C	24-Fiber (6-Quad) LC SM Adapter Plate, Blue Adapters
UFE-B-06LC-B	6 Duplex LC Adapter Plate, No Adapters
UFE-B-08LC-B	8 Duplex LC Adapter Plate, No Adapters
UFE-B-12LC-B	6 Quad LC Adapter Plate, No Adapters

Multimode adapters use Phosphor Bronze sleeve  
Singlemode adapters use Zirconia Ceramic sleeve

## LC 10G Adapter Plates

PART NO.	DESCRIPTION
UFE-B-06LC-G	12-Fiber (6-Duplex) LC MM LOF Adapter Plate, Aqua Adapters
UFE-B-08LC-G	16-Fiber (8-Duplex) LC MM LOF Adapter Plate, Aqua Adapters
UFE-B-12LC-G	24-Fiber (6-Quad) LC MM LOF Adapter Plate, Aqua Adapters

Adapters for multimode laser optimized fiber use Zirconia Ceramic sleeve

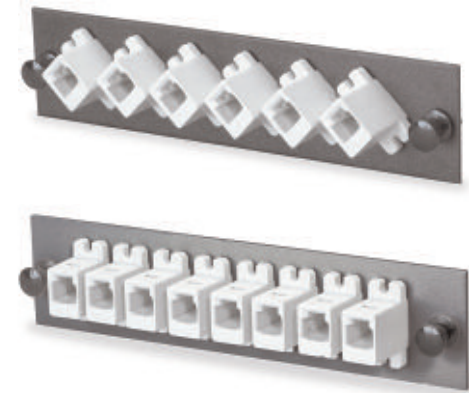
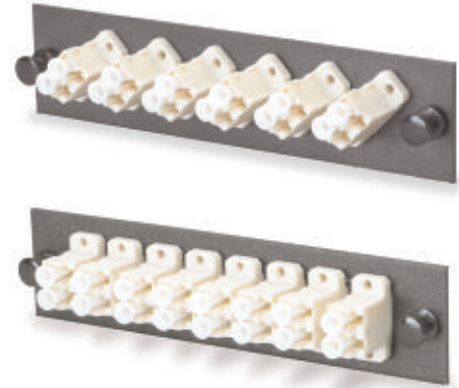
## MT-RJ Adapter Plates

PART NO.	DESCRIPTION
UFE-B-06MTRJ	12-Fiber (6-Duplex) MT-RJ MM/SM Adapter Plate, Beige
UFE-B-08MTRJ	16-Fiber (8-Duplex) MT-RJ MM/SM Adapter Plate, Beige
UFE-B-06MTRJ-B	6 MT-RJ Adapter Plate, No Adapters
UFE-B-08MTRJ-B	8 MT-RJ Adapter Plate, No Adapters

Multimode/Singlemode adapters use Phosphor Bronze sleeve

## Blank Plate

PART NO.	DESCRIPTION
UFE-B-BL	Blank Filler Plate



## Optical Fiber Adapters

Signamax offers a wide variety of optical fiber adapters including ST, SC, LC, and MT-RJ. Our ST and SC simplex and duplex adapters are available with a phosphor bronze sleeve for multimode applications and zirconia ceramic sleeve for singlemode requirements. The LC adapter fits the same cutout size as a simplex SC adapter and provides for higher termination densities. It is available in both multimode and singlemode versions. Our MT-RJ adapter is about 1/3 the size as a duplex SC adapter providing the same increased density as the LC.

All SC, LC, and MT-RJ adapters are provided with retaining clips for easy, snap-in mounting, and, additionally, with screw-mounting seats; ST adapters are instrumented with a retainer ring. All adapters with plastic bodies (SC-, LC-, and MT-RJ-type) are color-coded per ANSI/TIA-568-C.3 - 62.5- and 50- $\mu$ m multimode adapters are beige in color, 50- $\mu$ m multimode OM3 - aqua, singlemode PC and UPC - blue, singlemode APC - green.

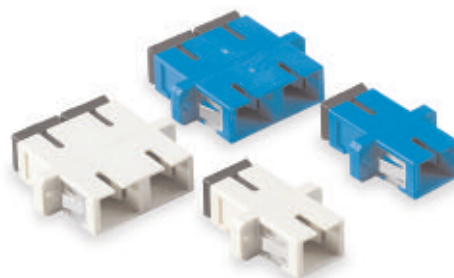
### ST Fiber Adapters

PART NO.	DESCRIPTION
FA-ST02	ST MM Adapter, Phosphor Bronze Sleeve
FA-ST03	ST SM Adapter, Zirconia Ceramic Sleeve



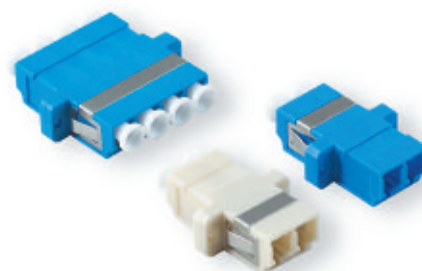
### SC Fiber Adapters

PART NO.	DESCRIPTION
FA-SCS02-B	SC Simplex MM Adapter, Phosphor Bronze Sleeve, Beige
FA-SCS03-A	SC Simplex MM Adapter, Zirconia Ceramic Sleeve, Aqua
FA-SCS03-BU	SC Simplex SM Adapter, Zirconia Ceramic Sleeve, Blue
FA-SCS04-GN	SC Simplex SM APC Adapter, Zirconia Ceramic Sleeve, Green
FA-SCD02-B	SC Duplex MM Adapter, Phosphor Bronze Sleeve, Beige
FA-SCD03-A	SC Duplex MM Adapter, Zirconia Ceramic Sleeve, Aqua
FA-SCD03-BU	SC Duplex SM Adapter, Zirconia Ceramic Sleeve, Blue
FA-SCD04-GN	SC Duplex SM APC Adapter, Zirconia Ceramic Sleeve, Green



### LC Fiber Adapters

PART NO.	DESCRIPTION
FA-LCD02-B	LC Duplex MM Adapter, Phosphor Bronze Sleeve, Beige
FA-LCD03-A	LC Duplex MM Adapter, Zirconia Ceramic Sleeve, Aqua
FA-LCD03-BU	LC Duplex SM Adapter, Zirconia Ceramic Sleeve, Blue
FA-LCQ02-B	LC Quad MM Adapter, Phosphor Bronze Sleeve, Beige
FA-LCQ03-A	LC Quad MM Adapter, Zirconia Ceramic Sleeve, Aqua
FA-LCQ03-BU	LC Quad SM Adapter, Zirconia Ceramic Sleeve, Blue



### MT-RJ Fiber Adapter

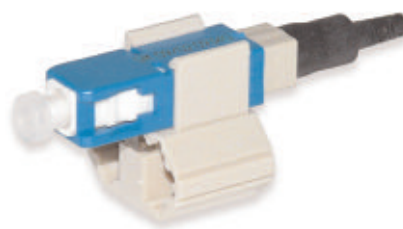
PART NO.	DESCRIPTION
FA-MTRJ-B	MTRJ MM/SM Adapter, Beige



# Field-Installable Pre-Polished Optical Fiber Connectors

Signamax field-installable pre-polished connectors allow reducing installation time significantly owing to the absence of need to use adhesives and polishing. This unique feature makes possible to eliminate field termination errors and to provide equal quality of connection performed by an experienced installer and apprentice.

Available in multimode (50  $\mu\text{m}$ , 50  $\mu\text{m}$  laser-optimized (LO), and 62.5  $\mu\text{m}$ ) and single-mode ST, SC and LC versions, field-installable connectors feature a polished ferrule with a factory installed fiber stub, which splices in the field to distribution cable fibers using an integrated alignment mechanism and index-matching gel. The alignment mechanism is activated with the help of a termination clip, which is supplied with each connector; after successful termination, the clip is removed. Field-installable connectors are designed to terminate 3.0-mm, 2.0-mm, 250- $\mu\text{m}$  and 900- $\mu\text{m}$  buffered fibers.



## ST Pre-Polished Optical Fiber Connectors

PART NO.	FIBER TYPE	HOUSING COLOR	CABLE SIZE
FPC-ST06	MM 62.5 $\mu\text{m}$	Beige	900 $\mu\text{m}$ , 250 $\mu\text{m}$
FPC-ST05	MM 50 $\mu\text{m}$	Black	900 $\mu\text{m}$ , 250 $\mu\text{m}$
FPC-ST51	MM 50 $\mu\text{m}$ LO	Aqua	900 $\mu\text{m}$ , 250 $\mu\text{m}$
FPC-ST09	SM 9 $\mu\text{m}$	Blue	900 $\mu\text{m}$ , 250 $\mu\text{m}$



## SC Pre-Polished Optical Fiber Connectors

PART NO.	FIBER TYPE	HOUSING COLOR	CABLE SIZE
FPC-SC06	MM 62.5 $\mu\text{m}$	Beige	3.0mm, 2.0mm, 900 $\mu\text{m}$ , 250 $\mu\text{m}$
FPC-SC05	MM 50 $\mu\text{m}$	Black	3.0mm, 2.0mm, 900 $\mu\text{m}$ , 250 $\mu\text{m}$
FPC-SC51	MM 50 $\mu\text{m}$ LO	Aqua	3.0mm, 2.0mm, 900 $\mu\text{m}$ , 250 $\mu\text{m}$
FPC-SC09	SM 9 $\mu\text{m}$	Blue	3.0mm, 2.0mm, 900 $\mu\text{m}$ , 250 $\mu\text{m}$



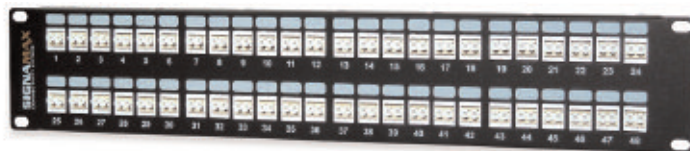
## LC Pre-Polished Optical Fiber Connectors

PART NO.	FIBER TYPE	HOUSING COLOR	CABLE SIZE
FPC-LC06	MM 62.5 $\mu\text{m}$	Beige	3.0mm, 2.0mm, 900 $\mu\text{m}$ , 250 $\mu\text{m}$
FPC-LC05	MM 50 $\mu\text{m}$	Black	3.0mm, 2.0mm, 900 $\mu\text{m}$ , 250 $\mu\text{m}$
FPC-LC51	MM 50 $\mu\text{m}$ LO	Aqua	3.0mm, 2.0mm, 900 $\mu\text{m}$ , 250 $\mu\text{m}$
FPC-LC09	SM 9 $\mu\text{m}$	Blue	3.0mm, 2.0mm, 900 $\mu\text{m}$ , 250 $\mu\text{m}$



## High-Density Optical Fiber Panels

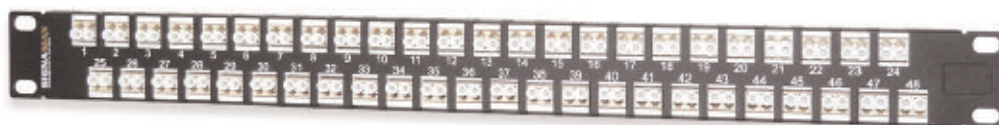
Signamax offers a range of economy optical fiber patch panels for ST, SC, and LC connections. These rack mount panels are available in 24- and 48-port (24-, 48- and 96-fiber) sizes based on standard Signamax optical fiber keystone jacks and are ideal where space is limited as compared to the standard-density optical fiber panels or enclosures. These high-density panels provide increased termination density due to more compact adapter population. High-density panels are equipped with rear cable management bar when there is a need to provide support for bulky cables and/or maintain required cable bend radii.



### High-Density Optical Fiber Panels

PART NO.	DESCRIPTION
<b>ST Optical Fiber Panel</b>	
24HDST-FT	24-Fiber High-Density ST MM Panel, 1.75"H
48HDST-FT	48-Fiber High-Density ST MM Panel, 3.50"H
<b>SC Optical Fiber Panels</b>	
24HDSC-FT	24-Fiber (24-Simplex) High-Density SC MM Panel, 1.75"H
48HDSC-FT	48-Fiber (48-Simplex) High-Density SC MM Panel, 3.50"H
<b>LC Optical Fiber Panels</b>	
24HDL-FT	48-Fiber (24-Duplex) High-Density LC MM Panel, 1.75"H
48HDL-FT	96-Fiber (48-Duplex) High-Density LC MM Panel, 3.50"H

For singlemode adapters add -C to P/N



### High-Density 48- and 96-Fiber 1 RMS Optical Fiber Panels

PART NO.	DESCRIPTION
<b>SC Optical Fiber Panels</b>	
48HD1SC-FT	48-Fiber (48-Simplex) High-Density SC MM Panel, 1.75"H
<b>LC Optical Fiber Panels</b>	
48HD1LC-FT	96-Fiber (48-Duplex) High-Density LC MM Panel, 1.75"H

For singlemode adapters add -C to P/N



# Optical Fiber Panels



## Standard-Density Optical Fiber Panels

Signamax offers a range of economy optical fiber patch panels for ST, SC, and LC connections. These rack mount panels are available in 12- thru 48-port (12- thru 48-fiber) sizes based on standard Signamax optical fiber keystone jacks and are ideal where mounting space is limited.

PART NO.	DESCRIPTION
<b>ST Optical Fiber Panels</b>	
12ST-FT	12-Fiber ST MM Fiber Panel, 1.75" High
16ST-FT	16-Fiber ST MM Fiber Panel, 1.75" High
24ST-FT	24-Fiber ST MM Fiber Panel, 3.50" High
32ST-FT	32-Fiber ST MM Fiber Panel, 3.50" High
48ST-FT	48-Fiber ST MM Fiber Panel, 5.25" High
<b>SC Optical Fiber Panels</b>	
12SC-FT	12-Fiber (12-Simplex) SC MM Fiber Panel, 1.75" High
16SC-FT	16-Fiber (16-Simplex) SC MM Fiber Panel, 1.75" High
24SC-FT	24-Fiber (24-Simplex) SC MM Fiber Panel, 3.50" High
32SC-FT	32-Fiber (32-Simplex) SC MM Fiber Panel, 3.50" High
48SC-FT	48-Fiber (48-Simplex) SC MM Fiber Panel, 5.25" High
<b>LC Optical Fiber Panels</b>	
12LC-FT	24-Fiber (12-Duplex) LC MM Fiber Panel, 1.75" High
16LC-FT	32-Fiber (16-Duplex) LC MM Fiber Panel, 1.75" High
24LC-FT	48-Fiber (24-Duplex) LC MM Fiber Panel, 3.50" High
32LC-FT	64-Fiber (32-Duplex) LC MM Fiber Panel, 3.50" High
48LC-FT	96-Fiber (48-Duplex) LC MM Fiber Panel, 5.25" High

For singlemode adapters add -C to P/N.

## Multimode Optical Fiber Patch Cords

Multimode optical fiber patch cords can be used as cross-connect jumpers, equipment and work area cords. All Signamax optical fiber patch cords are manufactured using OFNR riser grade cable and are 100% factory tested for insertion and return loss to ensure transmission performance per ANSI/TIA-568-C.3 standard specifications. Patch cords terminated with ST, SC, LC and MT-RJ connectors (uniform and hybrid versions) are available in 62.5- $\mu$ m and 50- $\mu$ m, in duplex and simplex designs.

Cordage used in multimode fiber cords is color-coded per ANSI/TIA-598-C – 62.5- $\mu$ m and 50- $\mu$ m multimode cables are orange in color. Connectors with plastic bodies (SC / LC) are color-coded per ANSI/TIA-568-C.3 – 62.5- $\mu$ m and 50- $\mu$ m multimode connectors are beige in color. Marked clips, color rings, or colored connector boots identify each end of the duplex fiber cord to designate Position A and Position B.

### Multimode 62.5- $\mu$ m Optical Fiber Patch Cords

PART NO.	DESCRIPTION
FC-2/2-LM	ST-to-ST Duplex Multimode Fiber Patch Cord
FC-4/4-LM	SC-to-SC Duplex Multimode Fiber Patch Cord
FC-4/2-LM	SC-to-ST Duplex Multimode Fiber Patch Cord
FC-9/9-LM	LC-to-LC Duplex Multimode Fiber Patch Cord
FC-9/2-LM	LC-to-ST Duplex Multimode Fiber Patch Cord
FC-9/4-LM	LC-to-SC Duplex Multimode Fiber Patch Cord
FC-8/8-LM	MT-RJ-to-MT-RJ Duplex Multimode Fiber Patch Cord
FC-8/2-LM	MT-RJ-to-ST Duplex Multimode Fiber Patch Cord
FC-8/4-LM	MT-RJ-to-SC Duplex Multimode Fiber Patch Cord

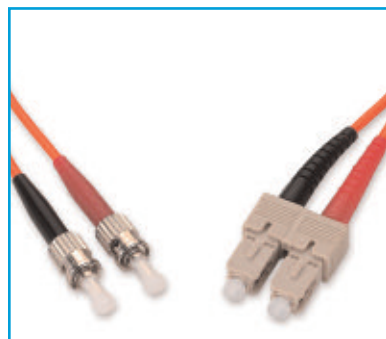
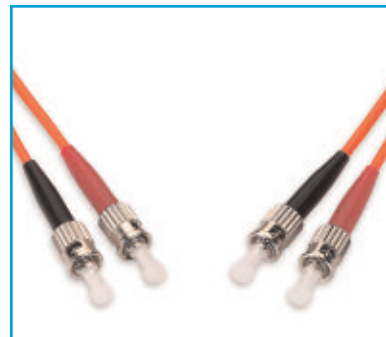
For length substitute L in P/N. Other lengths are available.

1=1 Meter    2=2 Meters    3=3 Meters    5=5 Meters    7=7 Meters

Cable diameter for ST and SC cords is 3.0 mm. All other connectors cable diameter is 1.8 mm.

Insertion Loss: ST, SC, LC, FC: typical - 0.2 dB maximum - 0.3 dB  
MT-RJ: typical - 0.3 dB maximum - 0.3 dB

Maximum Return Loss: PC  $\leq$  -30 dB



### Multimode 50- $\mu$ m Optical Fiber Patch Cords

PART NO.	DESCRIPTION
FC50-2/2-LM	ST-to-ST Duplex Multimode Fiber Patch Cord
FC50-4/4-LM	SC-to-SC Duplex Multimode Fiber Patch Cord
FC50-4/2-LM	SC-to-ST Duplex Multimode Fiber Patch Cord
FC50-9/9-LM	LC-to-LC Duplex Multimode Fiber Patch Cord
FC50-9/2-LM	LC-to-ST Duplex Multimode Fiber Patch Cord
FC50-9/4-LM	LC-to-SC Duplex Multimode Fiber Patch Cord
FC50-8/8-LM	MT-RJ-to-MT-RJ Duplex Multimode Fiber Patch Cord
FC50-8/2-LM	MT-RJ-to-ST Duplex Multimode Fiber Patch Cord
FC50-8/4-LM	MT-RJ-to-SC Duplex Multimode Fiber Patch Cord

For length substitute L in P/N. Other lengths are available.

1=1 Meter    2=2 Meters    3=3 Meters    5=5 Meters    7=7 Meters

Cable diameter for ST and SC cords is 3.0 mm. All other connectors cable diameter is 1.8 mm.

Insertion Loss: ST, SC, LC, FC: typical - 0.2 dB maximum - 0.3 dB  
MT-RJ: typical - 0.3 dB maximum - 0.3 dB

Maximum Return Loss: PC  $\leq$  -30 dB

### Multimode Fiber Patch Cord Configurator

FIBER CORD	CABLE TYPE	FIBER TYPE	JACKET TYPE	CABLE DIA.	CONNECTOR END ONE	CONNECTOR END TWO	LENGTH	UNIT OF MEASURE
FC	X	X	X	X	X	X	XXX	X
	D = Duplex	6 = MM 62.5 $\mu$ m	R = Riser	1 = 1.8 MM	2 = ST	2 = ST	001 - 999	F = Feet
	S = Simplex	5 = MM 50 $\mu$ m	P = Plenum	3 = 3.0 MM	4 = SC	4 = SC		M = Meters
					5 = FC	5 = FC		
					9 = LC	9 = LC		
					8 = MT-RJ	8 = MT-RJ		

Part Number Example: FC-D6R3-4-4-010M

Fiber patch cord, duplex, multimode 62.5/125  $\mu$ m riser rated 3 mm diameter cable, SC to SC, 10 meter length.

# Singlemode Optical Fiber Patch Cords

Singlemode optical fiber patch cords can be used as cross-connect jumpers, equipment and work area cords. All Signamax optical fiber patch cords are manufactured using OFNR riser grade cable and are 100% factory tested for insertion and return loss to ensure transmission performance per TIA/EIA-568-B.3 standard specifications. Patch cords terminated with ST, SC, LC and MT-RJ connectors (uniform and hybrid versions) are available in duplex and simplex designs.

Cordage used in singlemode fiber cords is color-coded per ANSI/TIA-598-C – all singlemode cables are yellow in color. Connectors with plastic bodies (SC and LC) are color-coded per ANSI/TIA-568-C.3 – singlemode PC and UPC – blue in color, singlemode APC – green. Marked clips, color rings, or colored connector boots identify each end of the duplex fiber cord to designate Position A and Position B.

## Singlemode 9-μm Optical Fiber Patch Cords

DESCRIPTION	PART NO.	
	Duplex	Simplex
ST-to-ST Singlemode Fiber Patch Cord	FCS-2/2-LM	FC9S-2/2-LM
SC-to-SC Singlemode Fiber Patch Cord	FCS-4/4-LM	FC9S-4/4-LM
SC-to-ST Singlemode Fiber Patch Cord	FCS-4/2-LM	FC9S-4/2-LM
LC-to-LC Singlemode Fiber Patch Cord	FCS-9/9-LM	FC9S-9/9-LM
LC-to-ST Singlemode Fiber Patch Cord	FCS-9/2-LM	FC9S-9/2-LM
LC-to-SC Singlemode Fiber Patch Cord	FCS-9/4-LM	FC9S-9/4-LM
MT-RJ-to-MT-RJ Singlemode Fiber Patch Cord	FCS-8/8-LM	
MT-RJ-to-ST Singlemode Fiber Patch Cord	FCS-8/2-LM	
MT-RJ-to-SC Singlemode Fiber Patch Cord	FCS-8/4-LM	

For length substitute L in P/N. Other lengths are available.

1=1 Meter    2=2 Meters    3=3 Meters    5=5 Meters    7=7 Meters

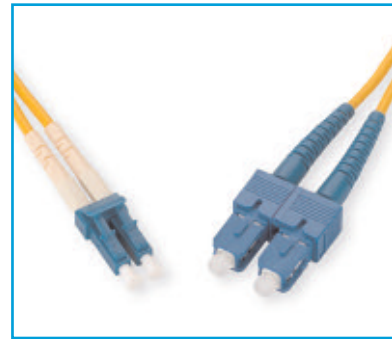
Cable diameter for ST and SC cords is 3.0 mm. All other connectors cable diameter is 1.8 mm.

Insertion Loss: ST, SC, LC, FC: typical - 0.15 dB maximum - 0.25 dB

MT-RJ: typical - 0.3 dB maximum - 0.5 dB

Maximum Return Loss: UPC: ≤ -50 dB

APC: ≤ -60 dB



## Singlemode Fiber Patch Cord Configurator

FIBER CORD	CABLE TYPE	FIBER TYPE	JACKET TYPE	CABLE DIA.	CONNECTOR END ONE	CONNECTOR END TWO	LENGTH	UNIT OF MEASURE
FC	X	9	X	X	X	X	XXX	X
	D = Duplex S = Simplex	9 = SM 9 μm	R = Riser P = Plenum	1 = 1.8 MM 3 = 3.0 MM	2 = ST/UPC 4 = SC/UPC 4A = SC/APC 5 = FC/UPC 5A = FC/APC 9 = LC/UPC 9A = LC/APC 8 = MT-RJ	2 = ST/UPC 4 = SC/UPC 4A = SC/APC 5 = FC/UPC 5A = FC/APC 9 = LC/UPC 9A = LC/APC 8 = MT-RJ	001 - 999	F = Feet M = Meters

Part Number Example: FC-D9R1-9A-9A-015M

Fiber patch cord, duplex, singlemode 9/125 μm riser rated 1.6 mm diameter cable, LC/APC to LC/APC, 15 meter length.

## 10G Laser-Optimized Multimode Optical Fiber Patch Cords

10G laser-optimized optical fiber (LOF) patch cords intended to support high-speed 10-gigabit applications can be used as cross-connect jumpers, equipment and work area cords. All Signamax LOF patch cords are manufactured using OFNR riser grade cable and are 100% factory tested for insertion and return loss to ensure transmission performance per ANSI/TIA-568-C.3 standard specifications. Patch cords terminated with SC and LC connectors (uniform and hybrid versions) are available in duplex and simplex designs.

Cordage used in LOF cords is aqua in color per ANSI/TIA-598-C; connectors are grey in color per ANSI/TIA-568-C.3. Marked clips, color rings, or colored connector boots identify each end of the duplex optical fiber cord to designate Position A and Position B.

### 10G LO Multimode 50- $\mu$ m Optical Fiber Patch Cords

PART NO.	DESCRIPTION
FC51-4/4-LM	SC-to-SC Duplex 10G LO Multimode Fiber Patch Cord
FC51-9/9-LM	LC-to-LC Duplex 10G LO Multimode Fiber Patch Cord
FC51-9/4-LM	LC-to-SC Duplex 10G LO Multimode Fiber Patch Cord

For length substitute L in P/N. Other lengths are available.

1=1 Meter    2=2 Meters    3=3 Meters    5=5 Meters    7=7 Meters

Cable diameter for ST and SC cords is 3.0 mm. All other connectors cable diameter is 1.8 mm.

Insertion Loss: ST, SC, LC, FC: typical - 0.2 dB maximum - 0.3 dB

MT-RJ: typical - 0.3 dB maximum - 0.3 dB

Maximum Return Loss: PC:  $\leq -30$  dB



### 10G Multimode Fiber Patch Cord Configurator

FIBER CORD	CABLE TYPE	FIBER TYPE	JACKET TYPE	CABLE DIA.	CONNECTOR END ONE	CONNECTOR END TWO	LENGTH	UNIT OF MEASURE
FC	X	51	X	X	X	X	XXX	X
	D = Duplex S = Simplex	51 = MM 50 $\mu$ m 10G LO	R = Riser P = Plenum	1 = 1.8 MM 3 = 3.0 MM	4 = SC 9 = LC	4 = SC 9 = LC	001 - 999	F = Feet M = Meters

Part Number Example: FC-D51P1-9-9-010M

Fiber patch cord, duplex, multimode 50/125  $\mu$ m 10G LO plenum rated 1.6 mm diameter cable, LC to LC, 10 meter length.

# Optical Fiber Pigtails

Optical fiber pigtails are recommended or sometimes required when there is a need to make a transition from thin buffered fibers (250–900  $\mu\text{m}$ ), typical for distribution cables and not suitable for direct optical fiber connector termination, to cross-connection or equipment connection points. Pigtails mechanically or fusion connected to the distribution cable fibers simplify cabling system installation and servicing significantly.

Signamax pigtails are manufactured to meet TIA, IEC and Telcordia standard requirements. Signamax pigtails based on 900- $\mu\text{m}$  buffered white cable are available in multimode (50- $\mu\text{m}$ , 50- $\mu\text{m}$  OM3, 62.5- $\mu\text{m}$ ) and singlemode, simplex and multistrand, ST, SC and LC versions.

## Single-Fiber Pigtails

DESCRIPTION	PART NO.	PART NO.	PART NO	PART NO.
	62.5- $\mu\text{m}$ MM	50- $\mu\text{m}$ MM	9- $\mu\text{m}$ SM	50- $\mu\text{m}$ MM 10G
ST Single-Fiber Pigtail, 3 M	FP1-6-2-003M	FP1-5-2-003M	FP1-9-2-003M	
SC Single-Fiber Pigtail, 3 M	FP1-6-4-003M	FP1-5-4-003M	FP1-9-4-003M	FP1-51-4-003M
LC Single-Fiber Pigtail, 3 M	FP1-6-9-003M	FP1-5-9-003M	FP1-9-9-003M	FP1-51-9-003M

Standard length is 3 meters. Cable type is 900 micron buffered white cable. Other connector types are available.

Insertion Loss: Multimode ST, SC, LC, FC: typical - 0.2 dB maximum - 0.3 dB  
 Multimode MT-RJ: typical - 0.3 dB maximum - 0.3 dB  
 Singlemode ST, SC, LC, FC: typical - 0.15 dB maximum - 0.25 dB  
 Singlemode MT-RJ: typical - 0.3 dB maximum - 0.3 dB

Maximum Return Loss: PC:  $\leq -30$  dB  
 UPC:  $\leq -50$  dB  
 APC:  $\leq -60$  dB



## Multimode Single-Fiber Pigtail Configurator

FIBER PIGTAIL	FIBER TYPE	CONNECTOR	LENGTH	UNIT OF MEASURE
FP1	X	X	XXX	X
	6 = MM 62.5 $\mu\text{m}$	2 = ST	001 - 999	F = Feet
	5 = MM 50 $\mu\text{m}$	4 = SC		M = Meters
	51 = MM 50 $\mu\text{m}$ 10G LO	5 = FC		
		9 = LC		

## Singlemode Single-Fiber Pigtail Configurator

FIBER PIGTAIL	FIBER TYPE	CONNECTOR	LENGTH	UNIT OF MEASURE
FP1	9	X	XXX	X
	9 = SM 9 $\mu\text{m}$	2 = ST/UPC	001 - 999	F = Feet
		4 = SC/UPC		M = Meters
		4A = SC/APC		
		5 = FC/UPC		
		5A = FC/APC		
		9 = LC/UPC		
		9A = LC/APC		

## Multi-Strand Optical Fiber Pigtail Kits

DESCRIPTION	PART NO.	PART NO.	PART NO	PART NO.
6-Fiber Pigtail Kits	62.5- $\mu\text{m}$ MM	50- $\mu\text{m}$ MM	9- $\mu\text{m}$ SM	50- $\mu\text{m}$ MM 10G
ST 6-Fiber Pigtail Kit, 3 M	FP6-6-2-003M	FP6-5-2-003M	FP6-9-2-003M	
SC 6-Fiber Pigtail Kit, 3 M	FP6-6-4-003M	FP6-5-4-003M	FP6-9-4-003M	FP6-51-4-003M
LC 6-Fiber Pigtail Kit, 3 M	FP6-6-9-003M	FP6-5-9-M003	FP6-9-9-003M	FP6-51-9-003M
12-Fiber Pigtail Kits				
ST 12-Fiber Pigtail Kit, 3 M	FP12-6-2-003M	FP12-5-2-003M	FP12-9-2-003M	
SC 12-Fiber Pigtail Kit, 3 M	FP12-6-4-003M	FP12-5-4-003M	FP12-9-4-003M	FP12-51-4-003M
LC 12-Fiber Pigtail Kit, 3 M	FP12-6-9-003M	FP12-5-9-003M	FP12-9-9-003M	FP12-51-9-003M



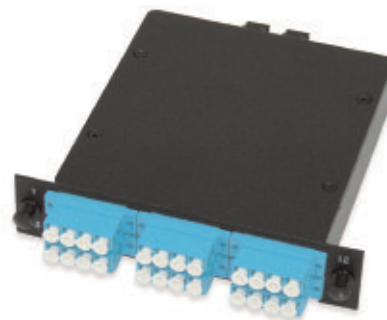


## Plug-and-Play Pre-Terminated Fiber Cassettes

Plug-and-Play Pre-Terminated Fiber Cassettes featuring one of the most advanced modern optical fiber technologies provide quick and easy handling of high-density optical fiber connections. Available in multiple configurations MTP cassettes can be used in telecommunications spaces for cross- and interconnections, for connection of active equipment to the cabling. Simple mounting mechanism similar to one used in optical fiber adapter plates allows using MTP cassettes almost in every kind of optical fiber enclosure and panel accepting such plates. Cassette connectors pre-terminated at the factory provide the highest possible level of transmission parameters corresponding to the connector type used.

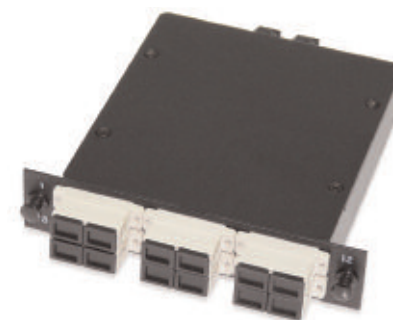
### 10G Plug-and-Play Fiber Cassettes

PART NO.	DESCRIPTION
FCM-12SC-51M	12-Fiber (6-Duplex) SC 10G MM 50 $\mu$ m to 1-MTP (M) Cassette
FCM-12LC-51M	12-Fiber (6-Duplex) LC 10G MM 50 $\mu$ m to 1-MTP (M) Cassette
FCM-24LC-51M	24-Fiber (6-Quad) LC 10G MM 50 $\mu$ m to 2-MTP (M) Cassette



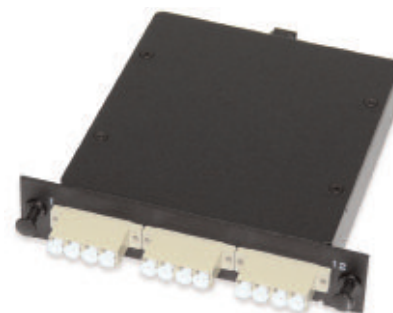
### SC Plug-and-Play Fiber Cassettes

PART NO.	DESCRIPTION
FCM-12SC-6M	12-Fiber (6-Duplex) SC MM 62.5 $\mu$ m to 1-MTP (M) Cassette
FCM-12SC-5M	12-Fiber (6-Duplex) SC MM 50 $\mu$ m to 1-MTP (M) Cassette
FCM-12SC-9M	12-Fiber (6-Duplex) SC SM 9 $\mu$ m to 1-MTP (M) Cassette
FCM-12SCA-9M	12-Fiber (6-Duplex) SC APC SM 9 $\mu$ m to 1-MTP (M) Cassette



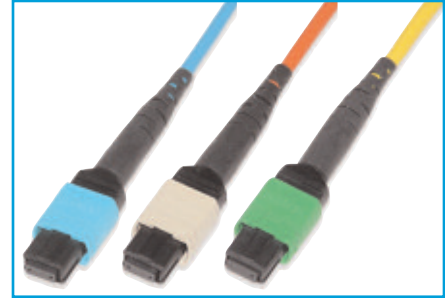
### LC Plug-and-Play Fiber Cassettes

PART NO.	DESCRIPTION
FCM-12LC-6M	12-Fiber (6-Duplex) LC MM 62.5 $\mu$ m to 1-MTP (M) Cassette
FCM-12LC-5M	12-Fiber (6-Duplex) LC MM 50 $\mu$ m to 1-MTP (M) Cassette
FCM-12LC-9M	12-Fiber (6-Duplex) LC SM 9 $\mu$ m to 1-MTP (M) Cassette
FCM-12LCA-9M	12-Fiber (6-Duplex) LC APC SM 9 $\mu$ m to 1-MTP (M) Cassette
FCM-24LC-6M	24-Fiber (6-Quad) LC MM 62.5 $\mu$ m to 2-MTP (M) Cassette
FCM-24LC-5M	24-Fiber (6-Quad) LC MM 50 $\mu$ m to 2-MTP (M) Cassette
FCM-24LC-9M	24-Fiber (6-Quad) LC SM 9 $\mu$ m to 2-MTP (M) Cassette
FCM-24LCA-9M	24-Fiber (6-Quad) LC APC SM 9 $\mu$ m to 2-MTP (M) Cassette



## 12-Fiber MTP Optical Fiber Assemblies

12-Fiber MTP Optical Fiber Assemblies are available in multiple configurations and designed to be used with Signamax Plug-and-Play Pre-Terminated Fiber Cassettes in telecommunications spaces for cross- and interconnections, for connection of active equipment to the cabling. MTP connectors pre-terminated at the factory provide the highest possible level of transmission performance.



### 12-Fiber 10G LO Multimode 50-μm MTP-to-MTP Assemblies

PART NO.	DESCRIPTION
FMA-1251P-7F-7F-XXXM	12-Fiber MTP (F)-to-MTP (F), 10G LO MM 50 μm, Plenum

### 12-Fiber 62.5-μm, 50-μm and 9-μm MTP-to-MTP Assemblies

PART NO.	DESCRIPTION
FMA-126P-7F-7F-XXXM	12-Fiber MTP (F)-to-MTP (F), MM 62.5 μm, Plenum
FMA-125P-7F-7F-XXXM	12-Fiber MTP (F)-to-MTP (F), MM 50 μm, Plenum
FMA-129P-7F-7F-XXXM	12-Fiber MTP (F)-to-MTP (F), SM 9 μm, Plenum

For length in meters substitute XXX for length in P/N. Use configurator for other lengths.  
 005=5 meters 010=10 meters 020=20meters 030=30 meters 050= 50 meters

### 12-Fiber MTP to MTP Fiber Assembly Configurator

FIBER CORD	FIBER COUNT	FIBER TYPE	JACKET TYPE	CONNECTOR END ONE	CONNECTOR END TWO	LENGTH	UNIT OF MEASURE
FMA	12 12 = 12 Fibers	X 6 = MM 62.5 μm 5 = MM 50 μm 51 = MM 50 μm 10G LO 9 = SM 9 μm	X R = Riser P = Plenum	XX 7F = MTP (Non-Pinned) 7M = MTP (Pinned)	XX 7F = MTP (Non-Pinned) 7M = MTP (Pinned)	XXX 001 - 999	X F = Feet M = Meters

## 12-Fiber MTP Fanout Assemblies

12-Fiber MTP Fan-out Assemblies serve as the most effective and sometimes the only solution where a transition from MTP to any other simplex or duplex optical fiber connector is required. Built according to a customer order, available in various configurations fan-out assemblies being terminated and tested in a controlled manufacturing environment not only help to reduce time and cost of installation, but also provide the highest achievable level of transmission performance eliminating termination procedures in the field.



### 12-Fiber MTP Fanout Configurator

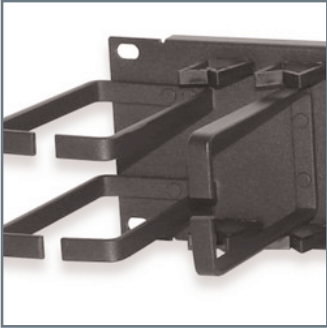
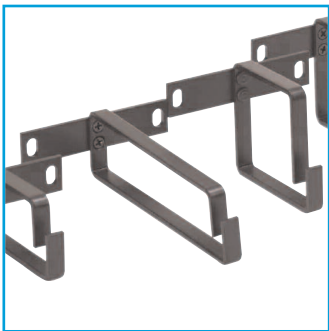
FIBER CORD	FIBER COUNT	FIBER TYPE	CONNECTOR END ONE	CONNECTOR END TWO	LENGTH (Feet)	BREAKOUT LENGTH (Inches)
FMF	12 12 = 12 Fibers	X 6 = MM 62.5 μm 5 = MM 50 μm 51 = MM 50 μm 10G LO 9 = SM 9 μm	XX 7M = MTP (Pinned)	X 2 = ST 4 = SC 9 = LC 8 = MT-RJ	XX 001 - 020	XX 012 - 048

Racks and Cable Management

Premise Connectivity Systems



# Racks AND Cable MANAGEMENT



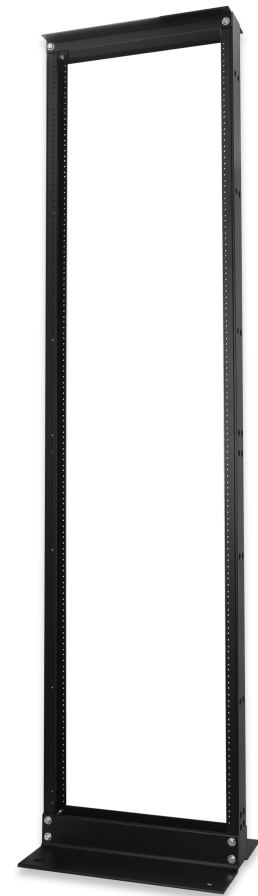
Equipment Racks	E1
Vertical Cable Management for Equipment Racks	E1
Equipment Shelves	E2
Hinged Wall Mount Brackets	E2
Patch Cord and Cable Management Panels	E3
Cable Management Ring Brackets	E5
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# Racks and Cable Management

## Equipment Racks

Equipment racks are designed for 19-inch rack mount equipment. Racks are constructed of aluminum and are available in a variety of standard heights. Each rack is drilled and tapped on both the front and the rear rails with 10-32 holes on EIA spacing. Standard rack finish is black. Racks are packaged knocked down for easy shipment.

PART NO.	DESCRIPTION	RACK SPACES
RR-84B	84" High Equipment Rack, Black Finish	45
RR-48B	48" High Equipment Rack, Black Finish	24
RR-84	84" High Equipment Rack, Milled Finish	45
RR-48	48" High Equipment Rack, Milled Finish	24



## Vertical Cable Management for Equipment Racks

Vertical Cable management for Equipment Racks can be used for handling both equipment/patch cords and distribution cables providing efficient and inexpensive means for arranging, routing, and protection of cabling. Easy-to-remove snap-on front and back panels in combination with routing and retaining slots on the base facilitate initial cabling installation and routine maintenance procedures. Plastic design of the management troughs with several mounting brackets evenly located along the base provides reliable yet lightweight cable management solution suitable for most telecommunications applications.

PART NO.	DESCRIPTION
VCM-84FR-S	Vertical Cable Management for 84" High Equipment Rack Side Mount, 4"W x 5"H Wiring Duct Front and Back
VCM-84FR-C	Vertical Cable Management for 84" High Equipment Rack Center Mount, 4"W x 5"H Wiring Duct Front and Back
VCM-84F-S	Vertical Cable Management for 84" High Equipment Rack Side Mount, 4"W x 5"H Wiring Duct Front Only



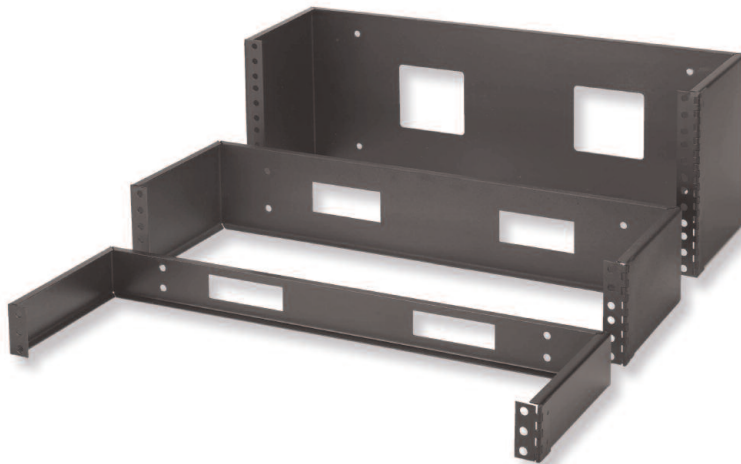
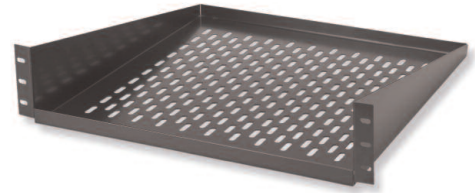


# Equipment Shelves and Hinged Wall Mount Brackets

## Rack Mount Shelves

Shelves are designed for use in equipment and cable management racks, for locating keyboards, monitors or other shelf-located network equipment. Rack Mount Shelves are available in either cantilevered or center weight style. Both styles are constructed from 16-gauge steel with a black polyurethane finish in either solid or louvered ventilated bottom style. All shelves are rated for a maximum of 50 lbs. capacity.

PART NO.	DESCRIPTION	DIMENSIONS
ERB-14CS	Cantilever Solid Bottom, Black	3.5"H x 14"D
ERB-14C	Cantilever Vented Bottom, Black	3.5"H x 14"D
ERB-18CS	Cantilever Offset Solid Bottom, Black	3.5"H x 18"D
ERB-18C	Cantilever Offset Vented Bottom, Black	3.5"H x 18"D
ERB-19C	Center Weight Vented Bottom, Black	3.5"H x 19"D
ERB-19CS	Center Weight Solid Bottom, Black	3.5"H x 19"D



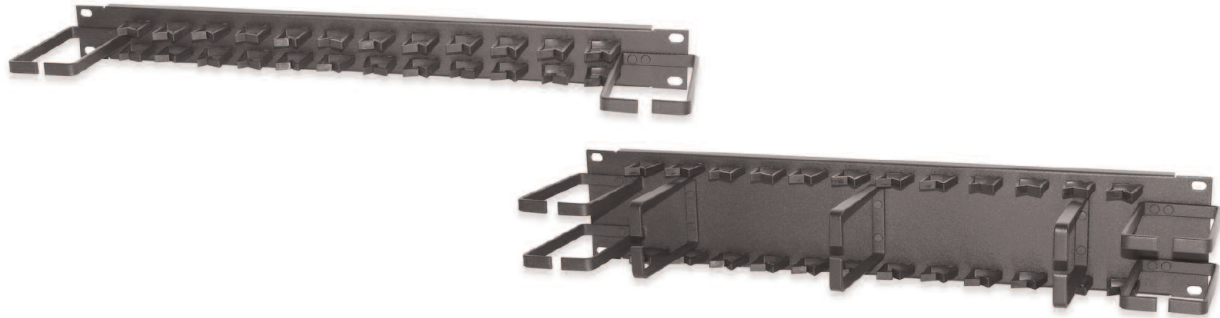
## Hinged Wall Mount Brackets

Hinged Wall Mount Brackets are designed for mounting one or more 19-inch panels and have a 6-inch standoff depth. Brackets are constructed from 16-gauge steel with a black polyurethane finish. Brackets have cable access holes on both the rear and sides of the brackets to allow a variety of cable access configurations. Brackets can be mounted for either right or left hand swing.

PART NO.	DESCRIPTION	RACK SPACES
HWB-175	Hinged Wall Mount Bracket, 1.75"H x 6"D	1
HWB-350	Hinged Wall Mount Bracket, 3.50"H x 6"D	2
HWB-525	Hinged Wall Mount Bracket, 5.25"H x 6"D	3
HWB-700	Hinged Wall Mount Bracket, 7.00"H x 6"D	4
HWB-875	Hinged Wall Mount Bracket, 8.75"H x 6"D	5

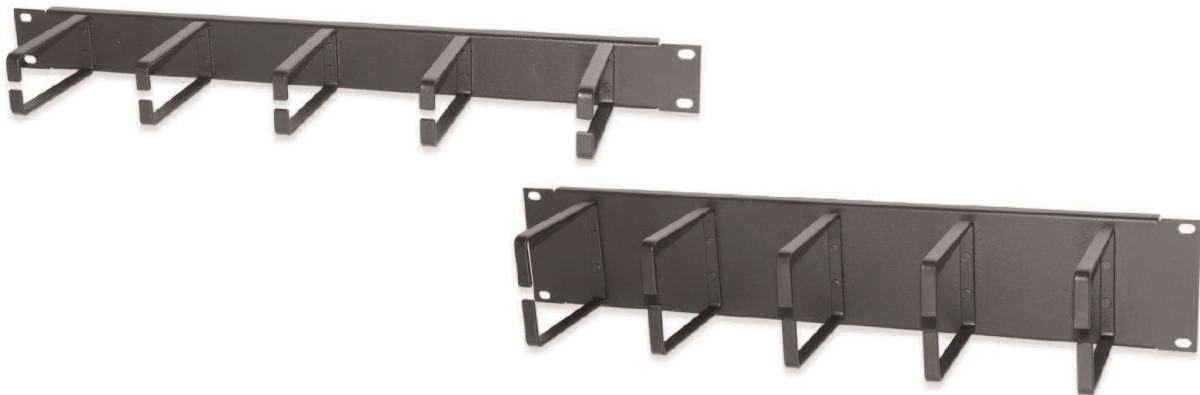
## Patch Cord and Cable Management Panels

Patch cord and cable management panels provide a simple means of organizing and managing cables, either on the front or rear of an equipment rack or enclosure. Cable management panels are available in several styles with features such as horizontal and vertical rings, individual wire saddles, and slotted duct. All panels allow management and routing of both bundled and individual cables. Cable management panels are available in 1.75" high (1 rack space) and 3.50" high (2 rack spaces) and are supplied with mounting hardware.



### Panels with Distribution Rings and Routing Clips

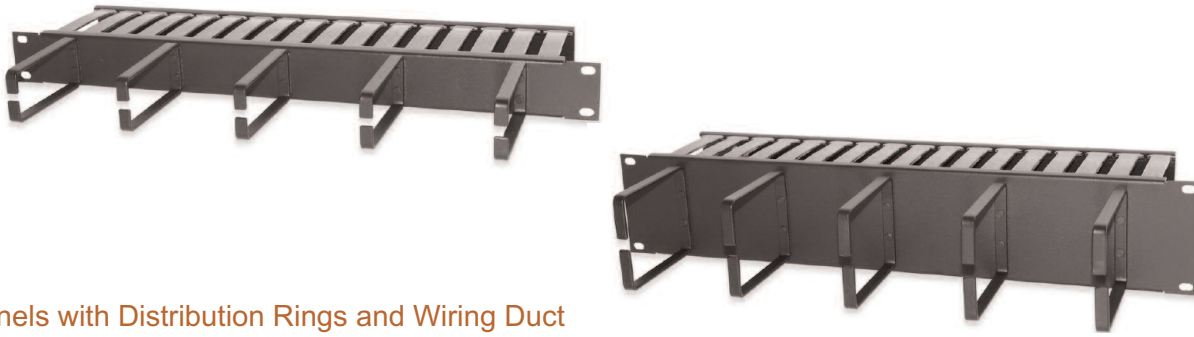
PART NO.	DESCRIPTION	RACK SPACES
CMP-175	Panel with (2) 3" x 3" Vertical Distribution Rings and Routing Clips	1
CMP-350	Panel with (2) 3" x 3" Vertical Distribution Rings, (4) 3" x 3" Horizontal Distribution Rings and Routing Clips	2



### Panels with Distribution Rings

PART NO.	DESCRIPTION	RACK SPACES
CMP-175-A	Panel with (5) 1.75" x 3" Horizontal Distribution Rings	1
CMP-350-A	Panel with (5) 3" x 3" Horizontal Distribution Rings	2

## Patch Cord and Cable Management Panels



### Panels with Distribution Rings and Wiring Duct

PART NO.	DESCRIPTION	RACK SPACES
CMP-175-AD	Panel with (5) 1.75" x 3" Horizontal Distribution Rings and 1.5"W x 4"H Wiring Duct on Back	1
CMP-350-AD	Panel with (5) 3" x 3" Horizontal Distribution Rings and 3"W x 4"H Wiring Duct on Back	2



### Panels with Front Wiring Duct

PART NO.	DESCRIPTION	RACK SPACES
CDP-175	Panel with 1.5"W x 3"H Wiring Duct on Front	1
CDP-350	Panel with 3"W x 3"H Wiring Duct on Front	2



### Panels with Front and Back Wiring Duct

PART NO.	DESCRIPTION	RACK SPACES
CDP-175-A	Panel with 1.5"H x 3"D Wiring Duct on Front and 1.5"W x 3.75"H Wiring Duct on Back	1
CDP-350-A	Panel with 3"H x 3"D Wiring Duct on Front and 3"W x 3.75"H Wiring Duct on Back	2

# Cable Management Ring Brackets and Blank Filler Panels

## Cable Management Ring Brackets

Cable Management Ring Brackets can be mounted to the front or rear of a rack to provide both vertical and horizontal cable management. Brackets can be specified in either one or two rack-space sizes and are offered in 4" and 6" depths for accommodating various cable bundle sizes.

PART NO.	DESCRIPTION	RACK SPACES
CMR-175-A	Cable Management Ring Bracket with 1.75"H x 4.00"D Horizontal Ring on 1.75"H Rack Mount Bracket	1
CMR-175-B	Cable Management Ring Bracket with 2.25"H x 4.00"D Horizontal Ring on 1.75"H Rack Mount Bracket	1
CMR-175-C	Cable Management Ring Bracket with 1.75"H x 6.125"D Horizontal Ring on 1.75"H Rack Mount Bracket	1
CMR-175-D	Cable Management Ring Bracket with 2.25"H x 6.125"D Horizontal Ring on 1.75"H Rack Mount Bracket	1
CMR-350-A	Cable Management Ring Bracket with 1.75"H x 4.00"D Horizontal Ring on 3.50"H Rack Mount Bracket	2
CMR-350-B	Cable Management Ring Bracket with 2.25"H x 4.00"D Horizontal Ring on 3.50"H Rack Mount Bracket	2
CMR-350-C	Cable Management Ring Bracket with 1.75"H x 6.125"D Horizontal Ring on 3.50"H Rack Mount Bracket	2
CMR-350-D	Cable Management Ring Bracket with 2.25"H x 6.125"D Horizontal Ring on 3.50"H Rack Mount Bracket	2



## Blank Filler Panels

PART NO.	DESCRIPTION	RACK SPACES
BFP-19175	Blank Filler Panel, 19"W x 1.75"H	1
BFP-19350	Blank Filler Panel, 19"W x 3.50"H	2
BFP-19525	Blank Filler Panel, 19"W x 5.25"H	3
BFP-19700	Blank Filler Panel, 19"W x 7.00"H	4



## Mounting Hardware

PART NO.	DESCRIPTION
RMH-1032	10-32 Rack Mount Hardware, Package of 100



# Velcro Cable Management Ties

## Cable Management Ties

Velcro® cable management ties provide the best option for securing or bundling communications cables. Their design and construction eliminates over-tensioning and jacket distortion problems, which can degrade transmission performance. Signamax Velcro cable ties provide a solution for bundling cables in an adjustable range of cable bundle diameter up to eight inches and can be ordered in a rack-rail mountable version.

## Rack Mountable Velcro® Cable Management Ties

PART NO.	DESCRIPTION	MAX. BUNDLE DIA.
VCT-08-TC	Velcro Cable Management Tie, 8"L x 1"W	2.0"
VCT-12-TC	Velcro Cable Management Tie, 12"L x 1"W	3.5"
VCT-20-TC	Velcro Cable Management Tie, 20"L x 1"W	6.0"

For cable tie color substitute TC for color in P/N. Sold in packages of 5.

**-BK (Black)** **-BU (Blue)** **-GN (Green)** **-OR (Orange)** **-RD (Red)** **-WH (White)** **-YE (Yellow)**



## Velcro® Cable Management Ties

PART NO.	DESCRIPTION	MAX. BUNDLE DIA.
VCPT-08-TC	Velcro Cable Management Tie, 8"L x 0.5"W	1.60"
VCPT-12-TC	Velcro Cable Management Tie, 12"L x 0.5"W	2.75"

For cable tie color substitute TC for color in P/N. Sold in packages of 10.

**-BK (Black)** **-BU (Blue)** **-GN (Green)** **-OR (Orange)** **-RD (Red)** **-WH (White)** **-YE (Yellow)**





Optical Fiber Media Converters

Premise Connectivity Systems



# Optical Fiber MEDIA CONVERTERS



10/100BaseT/TX to 100BaseFX	F1
10/100BaseT/TX to 100BaseFX Single Fiber	F2
10/100/1000BaseT/TX to 1000SX/LX	F3
Gigabit Ethernet Media Converters	F4
100BaseFX Singlemode to Multimode	F5
Rack Mount Media Converter Chassis	F6
12-Channel Rack Mount Media Converters	F7
RS-232/422/485 to 10/100BaseT/TX or 100BaseFX	F8
10/100BaseT/TX Ethernet Extender	F9
10/100BaseT/TX to 100BaseFX PoE Converter	F10
10/100BaseT/TX to 100BaseFX	
Hardened Converters	F11
10/100BaseT/TX to 100BaseFX Single Fiber	
Hardened Converters	F12

## 10/100BaseT/TX to 100BaseFX Fiber Optic Media Converters

Media Converters with Link Fault Signaling (LFS) provide the means for an SNMP-Managed switch to recognize a failure on a fiber channel or twisted-pair connection, enabling the switch to automatically route to a backup path if the connected switch is equipped with Spanning Tree Algorithm. This intelligence maximizes the power of managed switches, and enables fail-safe design solutions for complex networks. These converters also extend the maximum singlemode fiber distance, spanning over 46 miles with P/N 065-1120XLD. For environments with unusual extremes in temperature, extended temperature range models are available that operate from 14°F to 140°F (-10°C ~ 60°C).



### 10/100BaseT/TX to 100BaseFX Optical Fiber Media Converters

PART NO.	DESCRIPTION
065-1100	10/100BaseT/TX to 100BaseFX Media Converter ST Multimode, 2 km Span
065-1110	10/100BaseT/TX to 100BaseFX Media Converter SC Multimode, 2 km Span
065-1172	10/100BaseT/TX to 100BaseFX Media Converter MT-RJ Multimode, 2 km Span
065-1174	10/100BaseT/TX to 100BaseFX Media Converter LC Multimode, 2 km Span
065-1120	10/100BaseT/TX to 100BaseFX Media Converter SC Singlemode, 15 km Span
065-1120ED	10/100BaseT/TX to 100BaseFX Media Converter SC Singlemode, 40 km Span
065-1120XLD	10/100BaseT/TX to 100BaseFX Media Converter SC Singlemode, 75 km Span

### 10/100BaseT/TX to 100BaseFX Extended Temperature Media Converters

PART NO.	DESCRIPTION
065-1100E	10/100BaseT/TX to 100BaseFX Extended Temperature Media Converter ST MM, 2 km Span
065-1110E	10/100BaseT/TX to 100BaseFX Extended Temperature Media Converter SC MM, 2 km Span
065-1120E	10/100BaseT/TX to 100BaseFX Extended Temperature Media Converter SC SM, 15 km Span

Additional extended temperature models are available. Contact Technical Support for information.

### Specifications

#### Fixed Ports

Models: 065-1100/1110/1172/1174/1120/1120ES/ 1120XLD  
1 Auto-MDIX IEEE 802.3/3u standard 10/100BaseT/TX port, plus 1 fiber optic IEEE 802.3u 100BaseFX standard port; either 62.5/125 or 50/125 micron multimode fiber optic cable, 2,000 meters maximum distance. 9/125 micron singlemode fiber spanning 15 kilometers (Model 065-1120), 40 kilometers (Model 065-1120ED), or 75 kilometers (Model 065-1120XLD)

#### LED Indicators

Per Unit: Power status, RJ-45 port speed  
Per Port: LNK/ACT, FDX/COL  
Six LEDs total

#### Performance

Latency: < 4.2 µs (LIFO)  
Throughput @ 100Base: 148,809 pps (64-byte packets)

#### Physical Characteristics

Case dimensions: 4.33"L x 3.19"W x 0.91"H  
(110mm x 81mm x 23mm)  
Weight: 0.33 pounds (150 grams)

#### Environmental Characteristics

Operating Temperature: 32°F ~ 104°F (0°C ~ 40°C)  
Operating Temperature for Extended Temperature Models: 14°F ~ 140°F (-10°C ~ 60°C)  
(Models 065-1100E, 065-1110E and 065-1120E)  
Storage Temperature: -13°F ~ 158°F (-25°C ~ 70°C)  
Relative Humidity: 10 ~ 90%, non-condensing

#### Power

External power adapter: 12 Volts DC, 600 mA; secondary USB cable power option available on certain models by special order; please add "LFS" as a suffix to the part number for this option.  
Power Consumption: 5 Watts Maximum

#### Emissions & Safety

FCC part 15 Class A, CISPR Class A, VCCI Class A, CE Mark  
UL Listed

#### Warranty

Lifetime

# 10/100BaseT/TX to 100BaseFX Single Fiber (WDM) Media Converters

Single Fiber Wave Division Multiplexing (WDM) Media Converters with Link Fault Signaling allow data normally carried over two strands of fiber optic cable to be carried over a single strand of fiber optic cable, utilizing two different light spectra to carry signals in both directions simultaneously. This technology doubles the capacity of a company's fiber optic network, allowing a carrier or an enterprise business to minimize its operational costs by eliminating or delaying the deployment of additional fiber optic capacity. These converters are available in singlemode and multimode, and span distances of up to 40 kilometers (24.85 miles) with the 065-1176AEDLFS and 065-1176BEDLFS.



## 10/100BaseT/TX to 100BaseFX Single Fiber (WDM) Media Converters

PART NO.	DESCRIPTION
065-1176ALFS	10/100BaseT/TX to 100BaseFX Single Fiber (WDM) Media Converter SC Simplex Singlemode, Tx=1310 nm; Rx=1550 nm, 20 km Span
065-1176BLFS	10/100BaseT/TX to 100BaseFX Single Fiber (WDM) Media Converter SC Simplex Singlemode, Tx=1550 nm; Rx=1310 nm, 20 km Span
065-1176AEDLFS	10/100BaseT/TX to 100BaseFX Single Fiber (WDM) Media Converter SC Simplex Singlemode, Tx=1310 nm; Rx=1550 nm, 40 km Span
065-1176BEDLFS	10/100BaseT/TX to 100BaseFX Single Fiber Media (WDM) Converter SC Simplex Singlemode, Tx=1550 nm; Rx=1310 nm, 40 km Span
065-1176ALFSMM	10/100BaseT/TX to 100BaseFX Single Fiber (WDM) Media Converter SC Simplex Multimode, Tx=1310 nm; Rx=1550 nm, 2 km Span
065-1176BLFSMM	10/100BaseT/TX to 100BaseFX Single Fiber (WDM) Media Converter SC Simplex Multimode, Tx=1550 nm; Rx=1310 nm, 2 km Span

## Specifications

### Fixed Ports

- 1 Auto-MDIX twisted-pair port meeting IEEE 802.3 10BaseT & IEEE 802.3u 100BaseTX standard specifications; Category 5 or better cable, 100 meters maximum distance for 100BaseTX, Category 3 or better cable, 100 meters maximum distance for 10BaseT
- PLUS
- 1 WDM fiber optic port meeting IEEE 802.3u 100BaseFX standard specification; 9/125 micron singlemode fiber optic cable, spanning 20 kilometers maximum distance (models 065-1176ALFS and 065-1176BLFS)
- OR
- 1 WDM fiber optic port meeting IEEE 802.3u 100BaseFX standard specification; 9/125 micron singlemode fiber optic cable, spanning 40 kilometers maximum distance (models 065-1176AEDLFS and 065-065-1176BEDLFS)
- OR
- 1 WDM fiber optic port meeting IEEE 802.3u 100BaseFX standard specification; 62.5/125 micron or 50/125 micron multimode fiber optic cable, spanning 2 kilometers maximum distance (models 065-1176ALFSMM and 065-1176BLFSMM)

### LED Indicators

- Per unit - Power status, RJ-45 port speed
- Per Port -LNK/ACT, FDX/COL
- Six LEDs total

### Performance

- Latency: < 4.2  $\mu$ s (LIFO)
- Throughput @ 100Base: 148,810 pps (64-byte packets)

### Physical Characteristics

- Case dimensions: 4.33"L x 3.19"W x 0.91"H (110mm x 81mm x 23mm)
- Weight: 150 grams (0.33 pounds)

### Environmental Characteristics

- Operating Temperature: 32°F ~ 104°F (0°C ~ 40°C)
- Storage Temperature: -13°F ~ 158°F (-25°C ~ 70°C)
- Relative Humidity: 10 ~ 90%, non-condensing

### Power

- External power adapter: 12 Volts DC, 600 mA; secondary USB cable power option is standard on these models.
- Power Consumption: 5 Watts Maximum

### Emissions & Safety

- FCC part 15 Class A, CISPR Class A, VCCI Class A, CE Mark
- UL Listed

### Warranty

- Lifetime

## 10/100/1000BaseT/TX to 1000BaseSX/LX Fiber Optic Media Converters

10/100/1000 Switching Media Converters provide an intelligent solution for long distance connections between legacy 10BaseT and 100BaseTX networks and 1000Base Gigabit Ethernet networks. The built-in 10/100/1000 switch enables the fiber cable connection to operate at 1000 Mbps connected to either a 10BaseT, 100BaseTX, or a 1000BaseT network, while remaining completely 1000BaseSX/LX standard-compliant for the fiber optic connection. Each model 065-1196 series Media Converter provides a 10/100/1000BaseT/TX auto-negotiating RJ-45 twisted-pair connector port featuring store-and-forward switching architecture.



### 10/100/1000BaseT/TX to 1000BaseSX/LX Optical Fiber Media Converters

PART NO.	DESCRIPTION
065-1196	10/100/1000BaseT/TX to 1000BaseSX Media Converter; Fixed SC MM, 220m Span on 62.5µm Fiber / 550m Span on 50µm Fiber
065-1196LX	10/100/1000BaseT/TX to 1000BaseLX Media Converter; Fixed SC SM, 10 km
065-1196LXED	10/100/1000BaseT/TX to 1000BaseLX Media Converter; Fixed SC SM, 20 km
065-1096	10/100/1000BaseT/TX to 1000Base Media Converter with SFP Module Slot
<b>SFP Modules for 065-1096</b>	
065-79SXMG	1000BaseSX SFP Module – MM/LC, 220m Span on 62.5µm Fiber / 550m Span on 50µm Fiber
065-79SXEDMG	1000BaseSX SFP Module 1310 nm – MM/LC, 2 km Span
065-79LXMG	1000BaseLX SFP Module 1310 nm – SM/LC, 10 km Span
065-79LXEDMG	1000BaseLX SFP Module 1310 nm – SM/LC, 40 km Span
065-79XDMG	1000BaseXD SFP Module 1550 nm – SM/LC, 40 km Span
065-79ZXMG	1000BaseZX SFP Module 1550 nm – SM/LC, 80 km Span

### Specifications

#### Fixed Ports

1 Auto-MDIX IEEE 802.3ab standard 10/100/1000BaseT/TX port, plus either 1 fiber optic IEEE 802.3z 1000BaseSX standard port supporting 62.5/125 micron multimode fiber optic cable, 220 meters maximum distance, or 50/125 micron multimode fiber optic cable, 550 meters maximum distance (065-1196), 9/125 micron singlemode fiber spanning 10 kilometers (065-1196LX), 20 kilometers (065-1196LXED), or 1 fiber-optic IEEE 802.3z 1000Base standard SFP port supporting a variety of 1000Base SFP modules (model 065-1096).

#### LED Indicators

Per Unit: Power status, RJ-45 100 port speed, RJ-45 1000 port speed, RJ-45 FDX indicator  
Per Port: LNK/ACT  
Six LEDs total

#### Performance

Latency: < 4.2 µs (LIFO)  
Throughput @ 100Base: 148,810 pps (64-byte packets)  
Throughput @ 1000Base: 1,488,100 pps (64-byte packets)

#### Physical Characteristics

Case dimensions: 4.33"L x 3.19"W x 0.91"H  
(110mm x 81mm x 23mm)  
Weight: 0.33 pounds (150 grams)

#### Environmental Characteristics

Operating Temperature: 32°F ~ 104°F (0°C ~ 40°C)  
Storage Temperature: -13°F ~ 158°F (-25°C ~ 70°C)  
Relative Humidity: 10 ~ 90%, non-condensing

#### Power

External power adapter: 12 Volts DC, 600 mA  
Power Consumption: 5 Watts Maximum

#### Emissions & Safety

FCC part 15 Class A, CISPR Class A, VCCI Class A, CE Mark  
UL Listed

#### Warranty

Lifetime



# Gigabit Ethernet Fiber Optic Media Converters

Gigabit Ethernet Media Converters make it simple to extend distances over multimode or singlemode fiber. They are designed to expand the scope of your Gigabit Ethernet network applications and are 100% compliant with Ethernet IEEE 802.3ab and 802.3z specifications. These converters maintain the same form factor as other Signamax media converters, allowing use in the 065-1185 16-Bay Rack Mount Chassis. Twisted pair to fiber optic converters for multimode, singlemode, and SFP fiber modules are available, plus multimode to single-mode converters and singlemode to singlemode extenders.



## Gigabit Ethernet Fiber Optic Media Converters

PART NO.	DESCRIPTION
065-1194	1000BaseLX SC SM, 10 km Span to 1000BaseSX, SC MM, 220m Span on 62.5µ Fiber/550m Span on 50µ Fiber *
065-1194ED	1000BaseLX SC SM, 20 km Span to 1000BaseSX, SC MM, 220m Span on 62.5µ Fiber/550m Span on 50µ Fiber *
065-1195	1000BaseT to 1000BaseSX, SC MM, 220m Span on 62.5µ Fiber/550m Span on 50µ Fiber *
065-1197ED	1000BaseT to 1000BaseLX Converter, SC SM, 20 km Span *
065-1198XLD	1000BaseLX SC SM, 20 km Span to 1000BaseLX SC SM, 20 km Span Repeater *
065-1195SFP	1000BaseT to 1000Base Media Converter with SFP Slot
<b>SFP Modules for 065-1195SFP</b>	
065-79SXMG	1000BaseSX SFP Module – MM/LC, 220m Span on 62.5µm Fiber / 550m Span on 50µm Fiber
065-79SXEDMG	1000BaseSX SFP Module 1310 nm – MM/LC, 2 km Span
065-79LXMG	1000BaseLX SFP Module 1310 nm – SM/LC, 10 km Span
065-79LXEDMG	1000BaseLX SFP Module 1310 nm – SM/LC, 40 km Span
065-79XDMG	1000BaseXD SFP Module 1550 nm – SM/LC, 40 km Span
065-79ZXMG	1000BaseZX SFP Module 1550 nm – SM/LC, 80 km Span

\* Additional extended temperature (14°F ~ 140°F [-10°C ~ 60°C]) models are available. Contact Technical Support for information.

## Specifications

### Fixed Ports

1 twisted-pair port meeting IEEE 802.3ab standard specification and/or 1 fiber optic port meeting IEEE 802.3z standard; 62.5/125 micron multimode fiber optic cable, 220 meters maximum distance or 50/125 micron multimode fiber optic cable, 550 meters maximum distance (065-1194 & 065-1195) or 1 fiber optic port meeting IEEE 802.3z 1000BaseLX standard specification; 9/125 micron singlemode fiber optic cable, spanning 10 kilometers maximum distance (065-1194 & 065-1197) or 20 kilometers maximum distance (065-1194ED, 065-1197ED, & 065-1198XLD) or 1 fiber optic IEEE 802.3z 1000Base standard SFP port supporting a variety of 1000Base SFP modules (model 065-1195SFP).

### LED Indicators

Power; TX; RX; FDX/COL; LNK; LNK (or LNK1; LNK2, 065-1198XLD)

### Performance

Latency: < 4.2 µs (LIFO)  
Throughput @ 1000Base: 1,488,100 pps (64-byte packets)

### Physical Characteristics

Case dimensions: 4.33"L x 3.19"W x 0.91"H  
(110mm x 81mm x 23mm)  
Weight: 0.33 pounds (150 grams)

### Environmental Characteristics

Operating Temperature: 32°F ~ 104°F (0°C ~ 40°C)  
Storage Temperature: -13°F ~ 158°F (-25°C ~ 70°C)  
Relative Humidity: 10 ~ 90%, non-condensing

### Power

External power adapter: 12 Volts DC, 600 mA  
Power Consumption: 5 Watts Maximum

### Emissions & Safety

FCC part 15 Class A, CISPR Class A, VCCI Class A, CE Mark  
UL Listed

### Warranty

Lifetime

# 100BaseFX Singlemode To Multimode Media Converters

100BaseFX Singlemode to Multimode Converters provide efficient solutions for interconnecting multimode fiber LANs over longer distances by integrating singlemode fiber optic cable into the LAN. They also enable Ethernet LAN and WAN connectivity, by providing a multimode interface to singlemode fiber carrier demarcation points. Each Media Converter is enclosed in a compact, strong metal case and includes an external power supply for stand-alone applications. They can also be installed without modification in the Signamax 065-1185 Rack Mount Chassis system, featuring redundant power supplies for high reliability in multiple converter installations.



## 100BaseFX Singlemode To Multimode Media Converters

PART NO.	DESCRIPTION
065-1130	100BaseFX SC/SM, 15 km Span to 100BaseFX ST/MM, 2 km Span
065-1130ED	100BaseFX SC/SM, 40 km Span to 100BaseFX ST/MM, 2 km Span
065-1130XLD	100BaseFX SC/SM, 75 km Span to 100BaseFX ST/MM, 2 km Span
065-1132	100BaseFX SC/SM, 15 km Span to 100BaseFX SC/MM, 2 km Span
065-1132ED	100BaseFX SC/SM, 40 km Span to 100BaseFX SC/MM, 2 km Span
065-1132XLD	100BaseFX SC/SM, 75 km Span to 100BaseFX SC/MM, 2 km Span

Additional extended temperature (14°F ~ 140°F [-10°C ~ 60°C]) models are available. Contact Technical Support for information.

## Specifications

### Fixed Ports

Models 065-1130/1132/1130ED/1132ED/1130XLD/1132XLD:  
1 fiber optic port meeting IEEE 802.3u 100BaseFX standard specification; 62.5/125 or 50/125 micron multimode fiber optic cable, 2,000 meters maximum distance plus 1 IEEE 802.3u 100BaseFX standard fiber optic port supporting 9/125 micron singlemode fiber optic cable, spanning 15 kilometers (065-1130 & 065-1132) or 40 kilometers (065-1130ED & 065-1132ED) or 75 kilometers (065-1130XLD & 065-1132XLD)

### LED Indicators

Per Unit: Power status  
Per Port: SD (A & B ports) – link and activity

### Performance

Latency: < 21 bit times  
Throughput @ 100Base: 148,809 pps (64-byte packets)  
Speed: 100BaseFX: 100/200 Mbps for half/full duplex

### Physical Characteristics

Case dimensions: 4.33"L x 3.19"W x 0.91"H  
(110mm x 81mm x 23mm)  
Weight: 0.33 pounds (150 grams)

### Environmental Characteristics

Operating Temperature: 32°F ~ 104°F (0°C ~ 40°C)  
Storage Temperature: -13°F ~ 158°F (-25°C ~ 70°C)  
Relative Humidity: 10 ~ 90%, non-condensing

### Power

External power adapter: 12 Volts DC; 600 mA  
Power Consumption: 5 Watts Maximum

### Emissions & Safety

FCC part 15 Class A, CISPR Class A, VCCI Class A, CE Mark  
UL Listed

### Warranty

Lifetime

# 16-Bay Rack Mount Media Converter Chassis

16-Bay Rack Mount Media Converter Chassis provides higher rack mount media converter density for large installations that can accommodate rear access to the chassis for power supply maintenance. The 065-1185 provides 16 bays of space for all 065-11xx series Signamax media converters in a standard two rack unit high enclosure. High port density allows a variety of media converter solutions to be housed in a minimum amount of rack spaces for enterprise-level businesses and carriers. Redundant, fan-cooled load-sharing power supplies can be hot-swapped to ensure system uptime.



## 16-Bay Rack Mount Media Converter Chassis

PART NO.	DESCRIPTION
065-1185	16-Bay Rack Mount Media Converter Chassis, Includes (2) Redundant 90-240 V AC Power Supplies and 3-Fan Cooling Assembly
AC-1185	Spare Redundant Power Supply 90 - 240 V AC
1185FAN	Spare Individual Fan Assembly

## Specifications

### Capacity

Sixteen bays, for up to sixteen 065-11xx series media converters.

### Cooling

Two 42.5 cfm side-mounted fans, plus one fan for each of the two redundant power supplies.

### LED Status Indicators

Power 1/Power 2: Power supply on-line

### Physical Characteristics

Dimensions: 17.3" x 10.9" x 3.5" (440mm x 276mm x 90mm);  
2 standard rack units  
Weight: Approximately 18.7 pounds (8.5 kilograms), fully loaded

### Environmental Characteristics

Operating Temperature: 32°F ~ 104°F (0°C ~ 40°C)  
Storage Temperature: -13°F ~ 158°F (-25°C ~ 70°C)

### Power Supplies

Load-sharing and hot-swappable; 2 supplied as standard equipment. Power status LED on each power supply, as well as remote status LEDs on front panel. Specifications, each:

**Input:** 90-240 Volts AC, 47-63 Hz.

**Output:** Normal +12 Volts DC (Min. +11.88 Volts, Max. +12.12 Volts, 7.0 Amps)

**Total Regulation:** +/- 1.0%, Rip. 120 mV, Load 1.0%, Line 0.5%

**Overload Protection:** All outputs protected against short circuit conditions; automatic recovery

**Over-Voltage Protection:** Output level exceeding 13.2 Volts causes shutdown - automatic recovery

### Emissions & Safety

FCC Part 15 Class A, CE Class A, UL 1950 listed

### Warranty

Lifetime

## 12-Channel Rack Mount Media Converters

12-Channel Rack Mount Media Converter is a perfect solution for large installations that utilize many of the same type of media converters. The 065-1200 contains 12 channels of media conversion in a standard rack mountable case only one rack unit high. This extremely high port density allows the maximum number of media converter channels per rack for enterprise-level businesses and carriers. Redundant fan-cooled power supplies ensure system uptime.



### 12-Channel Rack Mount Media Converters

PART NO.	DESCRIPTION
065-1200ST00	12-Channel 10/100T/TX to 100FX Media Converter, ST/MM, 2 km Span
065-1200SC10	12-Channel 10/100T/TX to 100FX Media Converter, SC/MM, 2 km Span
065-1200MT72	12-Channel 10/100T/TX to 100FX Media Converter, MT-RJ/MM, 2 km Span
065-1200LC74	12-Channel 10/100T/TX to 100FX Media Converter, LC/MM, 2 km Span
065-1200SC20	12-Channel 10/100T/TX to 100FX Media Converter, SC/SM, 15 km Span
065-1200SC20ED	12-Channel 10/100T/TX to 100FX Media Converter, SC/SM, 40 km Span
065-1200SC20XLD	12-Channel 10/100T/TX to 100FX Media Converter, SC/SM, 75 km Span
065-1200SC95	12-Channel 1000T to 1000BaseSX Media Converter, SC/MM, 220m Span on 62.5µm Fiber / 550m Span on 50µm Fiber
065-1200SC97	12-Channel 1000T to 1000LX Media Converter, SC/SM, 10 km Span
065-1200SC97ED	12-Channel 1000T to 1000LX Media Converter, SC/SM, 20 km Span

### Specifications

#### Fixed Ports

##### Multimode 100FX Versions:

10/100BaseT/TX to 100BaseFX, multimode fiber; choice of SC, ST, LC, or MT-RJ connectors; maximum distance: 2,000 meters

##### Singlemode 100FX Versions:

10/100BaseT/TX to 100BaseFX, singlemode fiber, SC connectors; MT-RJ connectors available by special order. Maximum distance: up to 75 kilometers

##### 065-1200SC95 Version:

1000BaseT to 1000BaseSX, multimode fiber, SC connectors; MT-RJ connectors available by special order. Maximum distance, 1000BaseSX port: 220 meters over 62.5/125 micron multimode fiber or 550 meters over 50/125 micron multimode fiber (full duplex only)

##### 065-1200SC97 & 065-1200SC97ED Versions:

1000BaseT to 1000BaseLX, singlemode fiber, SC connectors. Maximum distance, 1000BaseLX port: 10 km (065-1200SC97) or 20 km (065-1200SC97ED) (full duplex only)

#### LED Indicators

Per unit: Power status, Speed (2 LEDs)

Per port: LNK/ACT, FDX/COL (2 LEDs)

#### Performance

Latency: < 4.2 µs (LIFO)

Throughput @ 100Base: 148,809 pps (64-byte packets)

Throughput @ 1000Base: 1,488,100 pps (64-byte packets)

#### Physical Characteristics

Dimensions: 17.3"W x 8.0"D x 1.8"H (440mm x 205mm x 45mm)

Weight: 6.8 lbs. (3.1 kg) maximum

Standard 19-in rack mounting (hardware included)

#### Environmental Characteristics

Operating Temperature: 0° - 40° C (32° - 140° F)

Relative Humidity: 10 to 90%, non-condensing

#### Power

Heat Dissipation/Hour: 85 BTU/hr

Maximum Wattage: 52 W. Current: 2.0 A maximum

#### Emissions & Safety

FCC part 15 Class A, CISPR Class A, VCCI Class A, CE Mark

UL Listed

#### Warranty

Lifetime



# RS-232/422/485 to 10/100BaseT/TX or 100BaseFX Media Converters

RS-232/422/485 serial data to Ethernet device servers / media converters accept serial data on one port in both RS-232, RS-422, or RS-485 format and convert the serial data stream into Ethernet/Fast Ethernet framed and formatted packets. These packets can then be transported across an Ethernet, Fast Ethernet, or Gigabit Ethernet network to either a server or another 065-1063x series converter, which reconstructs the Ethernet packets into the original serial data bit stream. Use the 065-1063T to connect serial data devices to your Ethernet / Fast Ethernet network over twisted-pair cable. For longer distance extension to the network's core, the 065-1063FSx series connects serial data devices to your Fast Ethernet 100BaseFX network at distances up to 30 kilometers (over 18.6 miles).



## RS-232/422/485 to 10/100BaseT/TX or 100BaseFX Media Converters

PART NO.	DESCRIPTION
065-1063T	RS-232/422/485 to 10/100BaseT/TX Device Server/Media Converter, RJ-45
065-1063FSC	RS-232/422/485 to 100FX Device Server/Media Converter, SC/MM, 2 km Span
065-1063FST	RS-232/422/485 to 100FX Device Server/Media Converter, ST/MM, 2 km Span
065-1063FSM	RS-232/422/485 to 100FX Device Server/Media Converter, SC/SM, 30 km Span

### Specifications

#### Fixed Ports

1x RJ-45 Twisted Pair; 10/100BaseT/TX (065-1063T)  
 1x duplex fiber; 100BaseFX — SC Multimode (065-1063FSC)  
 1x duplex fiber; 100BaseFX — ST Multimode (065-1063FST)  
 1x duplex fiber; 100BaseFX — SC Singlemode (065-1063FSM)  
 1x 9-pin serial connector; RS-232 / RS-422 / RS-485 - D-sub, female (all models)

#### Data Rates

Twisted Pair Ethernet (065-1063T): 10 Mbps or 100 Mbps  
 Fiber (065-1063FSC, 065-1063FST, and 065-1063FSM): 100 Mbps  
 Serial (all Models): 50 ~ 115.2 kbps (asynchronous).

#### Distances Spanned

Copper: 1,200 meters (RS-422, RS-485; 24 AWG - all models)  
 15 meters (RS-232 - all models)  
 100 meters (10/100BaseT/TX model 065-1063T)  
 Fiber: 2,000 meters (multimode models 065-1063FSC & 065-1063FST)  
 30 km (singlemode model 065-1063FSM)

#### Physical Characteristics

Dimensions: 4.30 x 3.54 x 1.24 inches (109.2 x 90 x 31.5mm)  
 Weight: 0.62 lbs. (280 grams)

#### Environmental Characteristics

Operating Temperature: 32°F to 122°F (0°C to 50°C)  
 Relative Humidity: 10% to 80%, non-condensing  
 Non-Operating/Storage: Temperature: -4°F to 176°F (-20°C to 80°C)  
 Relative Humidity: 5% to 90%, non-condensing

#### Power

Operating Voltage: 9 - 32V DC  
 Power Supply: 12 Volts DC, 0.8 A

#### Emissions & Safety

FCC Part 15 of Class A & CE approved.

#### Warranty

Lifetime



# 10/100BaseT/TX Ethernet Extender Media Converter

Signamax Connectivity Systems' model 065-1167 is a point-to-point Ethernet Extender that efficiently extends 10/100 Ethernet circuits to over 1,960 feet (600 meters) at 30 Mbps using existing straight pair copper wire. The 065-1167 allows Ethernet connectivity in existing facilities without pulling extra cable. This is the perfect solution to Ethernet on the factory floor where systems have been upgraded from slower serial data communication to Ethernet networking. The 065-1167 is used in pairs to extend Ethernet connectivity over existing voice grade copper wire. Installation is easy; a single switch setting allows each unit to be set either for local operation at the near side of the circuit, or remote operation when used at the other end of the circuit.



## 10/100BaseT/TX Ethernet Extender Media Converters

PART NO.	DESCRIPTION
065-1167	10/100BaseT/TX Ethernet Extender Media Converter
065-1167DIN	10/100BaseT/TX Ethernet Extender Media Converter with Preattached DIN-Rail Mount

### Specifications

#### Fixed Ports

1 RJ-45 twisted-pair port meeting IEEE 802.3 10BaseT & IEEE 802.3u 100BaseTX standard specifications, Auto MDI/MDI-X and Auto-Negotiation Function supported (all models) PLUS 1 RJ-11 Ethernet Extender port.

#### LED Indicators

Per unit: Power (green)

##### 10/100BaseT/TX Port (labeled Ethernet):

Lnk/Act (green); Fdx (green)

##### Ethernet Extender Port (labeled Line):

Lnk (green); Err (green); Loc (green); Rmt (green)

##### Top Panel:

##### LED 1 (green/amber):

Illuminates green @ 1 Mbps (1,900 m / 6,232 ft); amber @ 3 Mbps (1,800 m / 5,904 ft); not illuminated at other speeds.

##### LED 2 (green/amber):

Illuminates green @ 5 Mbps (1,600 m / 5,249 ft); amber @ 10 Mbps (1,400 m / 4,593 ft); 40 Mbps when amber & LED 4 is also illuminated amber (600 m / 1,968 ft).

##### LED 3 (green/amber):

Illuminates green @ 15 Mbps (1,200 m / 3,936 ft); amber @ 20 Mbps (1,000 m / 3,280 ft); 50 Mbps when amber & LED 4 is also illuminated amber (300 m / 984 ft).

##### LED 4 (green/amber):

Illuminates green @ 25 Mbps (800 m / 2,624 ft); amber @ 30 Mbps (700 m / 2,296 ft); 50 Mbps; see above for speeds when amber & LED 2 or 3 is also illuminated amber.

#### Performance

Ethernet Port Throughput @ 100Base: 148,810 pps (64-byte packets)  
Ethernet Extender (Line) Port Throughput: Distance-dependent;

#### Physical Characteristics

Dimensions: 4.30 in. x 3.16 in. x 0.94 in., D x W x H  
(109.2 mm x 80.3 mm x 23.8 mm)  
Weight: 1.76 lb (0.8 kg.)

#### Environmental Characteristics

Operating Temperature: -4°F to 140°F (-20°C to 60°C)  
Storage Temperature: -4°F to 158°F (-20°C to 70°C)  
Operating and Storage Humidity: 10 to 95% (non-condensing)

#### Power

Power Supply: 12 Volts DC, 800 mA  
Power Consumption: 2.4 Watts Maximum; 200 mA @ 12 Volts DC

#### Emissions & Safety

Safety: UL 508, EN 60950-1, IES 60950-1, CE Mark  
EMI: FCC Part 15 Class A; EN 61000-6-3; EN 61000-3-2; EN 61000-3-3  
EMS: IEC 61000-4-2; IEC 61000-4-3; IEC 61000-4-4; IEC 61000-4-5;  
IEC 61000-4-6; IEC 61000-4-8; IEC 61000-4-11

#### Installation

Wall or desktop mounting; can also be mounted in the 065-1185 rack mount chassis. DIN-rail mount included with 065-1167DIN model.

#### Warranty

Lifetime

# 10/100 to 100BaseFX Power over Ethernet Fiber Media Converters

The Signamax 065-1050 series media converters are 10/100BaseT/TX to 100BaseFX Power over Ethernet (PoE) devices that serve as Power Sourcing Equipment (PSE), which allows the converter to provide power to IEEE 802.3af PoE standard compliant Powered Devices (PDs) using the twisted pair connection. This AC-powered PoE media converter combines data received over a fiber optic link with -48 Volt DC power, which the PD can use in lieu of a separate power connector. The 065-1050 series converters are also equipped with PD signature-sensing, power monitoring, over-current protection, under-current detection, and input fault protection features. Their Link Fault Signaling (LFS) and Far End Fault (FEF) detection capabilities maintain link integrity and enable automatic failover when used with Spanning Tree-equipped switches.



## 10/100 to 100BaseFX Power over Ethernet Media Converters

PART NO.	DESCRIPTION
065-1050ST	10/100BaseT/TX to 100BaseFX PSE PoE Media Converter, Multimode/ST, 2 km
065-1050SC	10/100BaseT/TX to 100BaseFX PSE PoE Media Converter, Multimode/SC, 2 km
065-1050SM	10/100BaseT/TX to 100BaseFX PSE PoE Media Converter, Singlemode/SC, 15 km
065-1050SMED	10/100BaseT/TX to 100BaseFX PSE PoE Media Converter, Singlemode/SC, 40 km
065-1050SMXLD	10/100BaseT/TX to 100BaseFX PSE PoE media converter, Singlemode/SC, 75 km

## Specifications

## Fixed Ports

- 1 twisted-pair port meeting IEEE 802.3 10BaseT & IEEE 802.3u 100BaseTX standard specifications, Auto MDI/MDI-X and Auto-Negotiation Function supported (all models)
- PLUS
- 1 fiber optic port meeting IEEE 802.3u 100BaseFX standard specification; 62.5/125 or 50/125 micron multimode fiber optic cable, 2,000 meters maximum distance (Models 065-1050ST & 065-1050SC)
- OR
- 1 fiber optic port meeting IEEE 802.3u 100BaseFX standard specification; 9/125 micron singlemode fiber optic cable, spanning 15 kilometers maximum distance (Model 065-1050SM)
- OR
- 1 fiber optic port meeting IEEE 802.3u 100BaseFX standard specification; 9/125 micron singlemode fiber optic cable, spanning 40 kilometers maximum distance (Model 065-1050SMED)
- OR
- 1 fiber optic port meeting IEEE 802.3u 100BaseFX standard specification; 9/125 micron singlemode fiber optic cable, spanning 75 kilometers maximum distance (Model 065-1050SMXLD)

## LED Indicators

Power, PoE PSE-TP, TP Link/Act, TP 100, FX Link/Act, FX FDX/COL  
4 W, 7 W, 15.4 W

## Performance

Latency: < 4.2  $\mu$ s (LIFO)  
Throughput @ 100Base: 148,810 pps (64-byte packets)

### Physical Characteristics

Dimensions: 6.22 in. x 5.24 in. x 1.57 in., W x D x H  
(158 mm x 133 mm x 40 mm)  
Weight: 1.7 lb (0.75 kg.)

### Environmental Characteristics

Operating and Storage Temperature: 32°F to 122°F (0°C to 50°C)  
Operating and Storage Humidity: 5 to 95% (non-condensing)

## Power

AC Line: 100 - 240 Volts, 50 - 60 Hz  
Maximum Power Consumption: 24 Watts

## Emissions & Safety

FCC: Part 15 Class A; CE Mark

## Installation

Desktop mounting

## Warranty

Lifetime

## DIN-Rail Mount Industrial Hardened Media Converters

10/100 to 100BaseFX media converters have been developed to operate in harsh industrial environments that require ruggedized equipment that can operate in severe temperature extremes. These media converters are an affordable solution for outdoor environments, transportation roadside systems, shop floors, and other harsh environments where consistent operation at temperature extremes of -40°F to 176°F (-40°C to 80°C) is necessary. These media converters are compact, plug-and-play devices that do not require complex user setup, but also have the manual setting features necessary to adjust to unusual operating conditions.



### 10/100BaseT/TX to 100BaseFX DIN Rail Mount Hardened Media Converters

PART NO.	DESCRIPTION
065-1800TB	10/100BaseT/TX to 100BaseFX Industrial Hardened Media Converter, ST Multimode, 2 km Span, 24 V DC Redundant Power Terminal Block
065-1810TB	10/100BaseT/TX to 100BaseFX Industrial Hardened Media Converter, SC Multimode, 2 km Span, 24 V DC Redundant Power Terminal Block
065-1820TB	10/100BaseT/TX to 100BaseFX Industrial Hardened Media Converter, SC Singlemode, 15 km Span, 24 V DC Redundant Power Terminal Block
065-1820EDTB	10/100BaseT/TX to 100BaseFX Industrial Hardened Media Converter, SC Singlemode, 40 km Span, 24 V DC Redundant Power Terminal Block
065-1820XLDTB	10/100BaseT/TX to 100BaseFX Industrial Hardened Media Converter, SC Singlemode, 75 km Span, 24 V DC Redundant Power Terminal Block

### Specifications

#### Fixed Ports

1 twisted-pair port meeting IEEE 802.3 10BaseT & IEEE 802.3u 100BaseTX standard specifications, Auto MDI/MDI-X and Auto-Negotiation Function supported (all models) PLUS 1 100Base FX port with ST/MM, 2 km span (065-1800TB) OR 1 100Base FX port with SC/MM, 2 km span (065-1810TB) OR 1 100Base FX port with SC/SM, 20 km span (065-1820TB) OR 1 100Base FX port with SC/SM, 40 km span (065-1820EDTB) OR 1 100Base FX with SC/SM, 75 km span (065-1820XLDTB)

#### LED Indicators

Per Unit: Power1 (Green), Power2 (Green), Fault, LFS  
Per Port: 10/100BaseT/TX port: 100 Mbps Speed, Link/Activity, FDX/COL  
100BaseFX port - Link/Activity, FDX/COL

#### Performance

Latency: < 4.2 µs (LIFO)  
Throughput @ 100Base: 148,810 pps (64-byte packets)

#### Physical Characteristics

Housing: IP30 protection, metal case  
Dimensions: 1.97 in. x 5.35 in. x 4.33 in., W x H x D  
(50 mm x 136 mm x 110 mm)  
Weight: 1.76 lb (0.8 kg.)

#### Environmental Characteristics

Operating Temperature: -40°F to 176°F (-40°C to 80°C)  
Storage Temperature: -50°F to 200°F (-45°C to 93°C)  
Operating Humidity: 10 to 95% (non-condensing)

#### Power

Redundant 12 to 48 Volts DC Terminal Block; optional 24V DC DIN-rail mount hardened industrial power supplies available, sold separately

#### Emissions & Safety

FCC: Part 15 Class A  
CE: EN55022 (CISPR22 Class A), EN55024 (CISPR24 Class A),  
CE EN-6100-4-4, CE EN6100-4-5, CE EN6100-4-6

#### Installation

DIN Rail Kit, or wall mounting ears for 3-way installation

#### Warranty

Lifetime

# DIN-Rail Mount Industrial Hardened Single Fiber Media Converters

These 10/100 to 100BaseFX media converters have been developed to operate in harsh industrial environments that require ruggedized equipment that can operate in severe temperature extremes. These media converters allow data normally carried over two strands of fiber optic cable to be carried over a single strand of fiber optic cable, utilizing two different light spectra to carry signals in both directions simultaneously, providing an affordable solution for outdoor environments, transportation roadside systems, shop floors, and other harsh environments where consistent operation at temperature extremes of -40°F to 176°F (-40°C to 80°C) and single fiber capability is necessary. These converters are available in singlemode only, and span distances of up to 40 kilometers (24.85 miles) with the 065-1876AEDTB and 065-1876BEDTB models.



## 10/100BaseT/TX to 100BaseFX DIN Rail Mount Hardened WDM Media Converters

PART NO.	DESCRIPTION
065-1876ATB	10/100BaseT/TX to 100BaseFX Industrial Hardened Single Fiber (WDM) Media Converter SC Simplex Singlemode, Tx=1310 nm; Rx=1550 nm, 20 km Span
065-1876BTB	10/100BaseT/TX to 100BaseFX Industrial Hardened Single Fiber (WDM) Media Converter SC Simplex Singlemode, Tx=1550 nm; Rx=1310 nm, 20 km Span
065-1876AEDTB	10/100BaseT/TX to 100BaseFX Industrial Hardened Single Fiber (WDM) Media Converter SC Simplex Singlemode, Tx=1310 nm; Rx=1550 nm, 40 km Span
065-1876BEDTB	10/100BaseT/TX to 100BaseFX Industrial Hardened Single Fiber (WDM) Media Converter SC Simplex Singlemode, Tx=1550 nm; Rx=1310 nm, 40 km Span

## Specifications

### Fixed Ports

1 twisted-pair port meeting IEEE 802.3 10BaseT & IEEE 802.3u 100BaseTX standard specifications, Auto MDI/MDI-X and Auto-Negotiation Function supported (all models) PLUS 1 WDM fiber optic IEEE 802.3u 100BaseFX standard port; either 9/125 micron singlemode fiber spanning 20 kilometers maximum distance (models 065-1876ATB and 065-1876BTB), or 40 kilometers maximum distance (models 065-1876AEDTB and 065-1876BEDTB).

### LED Indicators

Per Unit: Power1 (Green), Power2 (Green). Fault, LFS  
Per Port: 10/100BaseT/TX port: 100 Mbps Speed, Link/Activity, FDX/COL  
100BaseFX port - Link/Activity, FDX/COL

### Performance

Latency: < 4.2 µs (LIFO)  
Throughput @ 100Base: 148,810 pps (64-byte packets)

### Physical Characteristics

Housing: IP30 protection, metal case  
Dimensions: 1.97 in. x 5.35 in. x 4.33 in., W x H x D  
(50 mm x 136 mm x 110 mm)  
Weight: 1.76 lb (0.8 kg.)

### Environmental Characteristics

Operating Temperature: -40°F to 176°F (-40°C to 80°C)  
Storage Temperature: -50°F to 200°F (-45°C to 93°C)  
Operating Humidity: 10 to 95% (non-condensing)

### Power

Redundant 12 to 48 Volts DC Terminal Block; optional 24V DC DIN-rail mount hardened industrial power supplies available, sold separately

### Emissions & Safety

FCC: Part 15 Class A  
CE: EN55022 (CISR22 Class A), EN55024 (CISPR24 Class A),  
CE EN-6100-4-4, CE EN6100-4-5, CE EN6100-4-6

### Installation

DIN Rail Kit, or wall mounting ears for 3-way installation

### Warranty

Lifetime

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