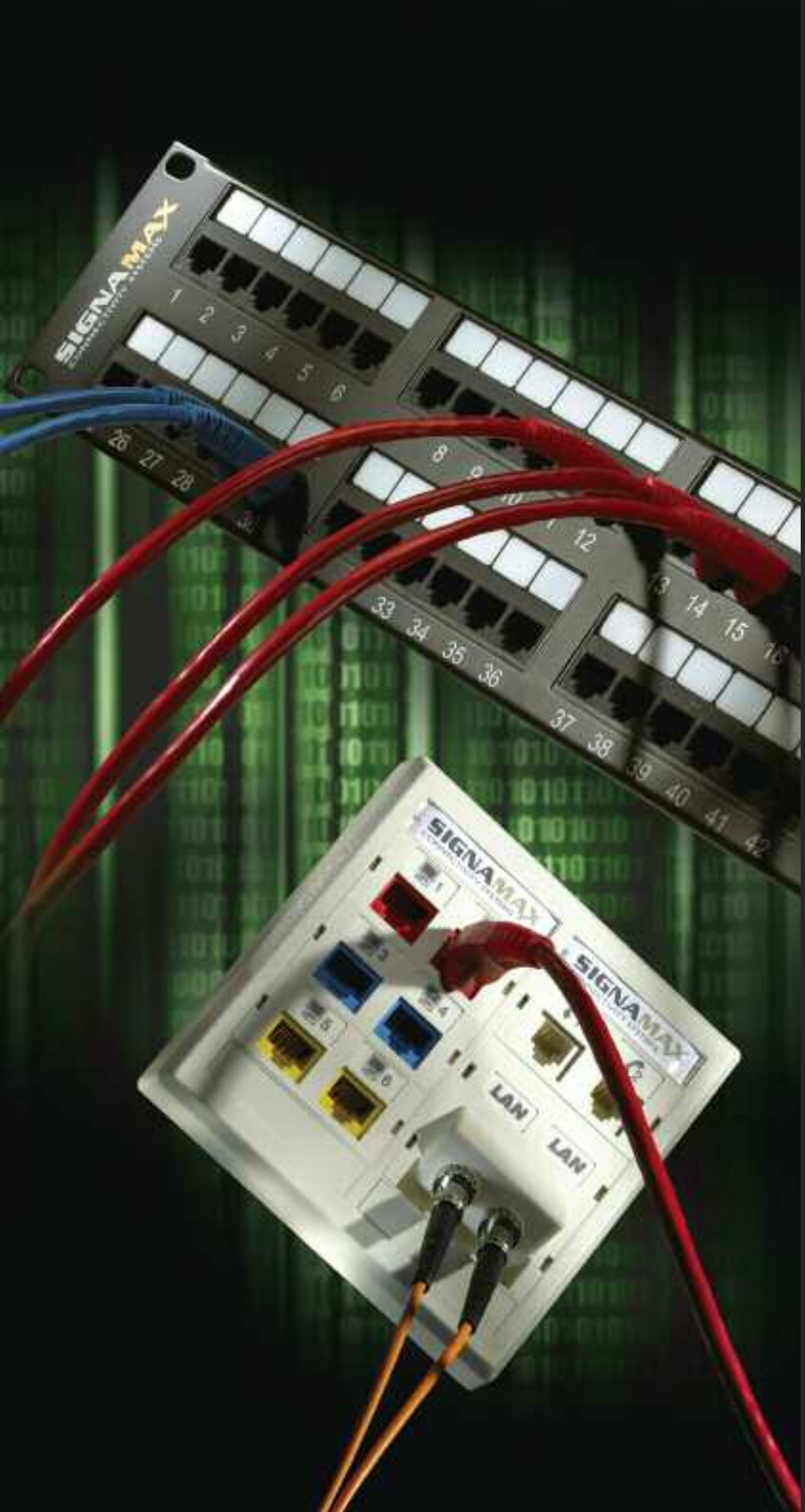

2012-2013

PREMISE CONNECTIVITY SYSTEMS

SIGNAMAX™
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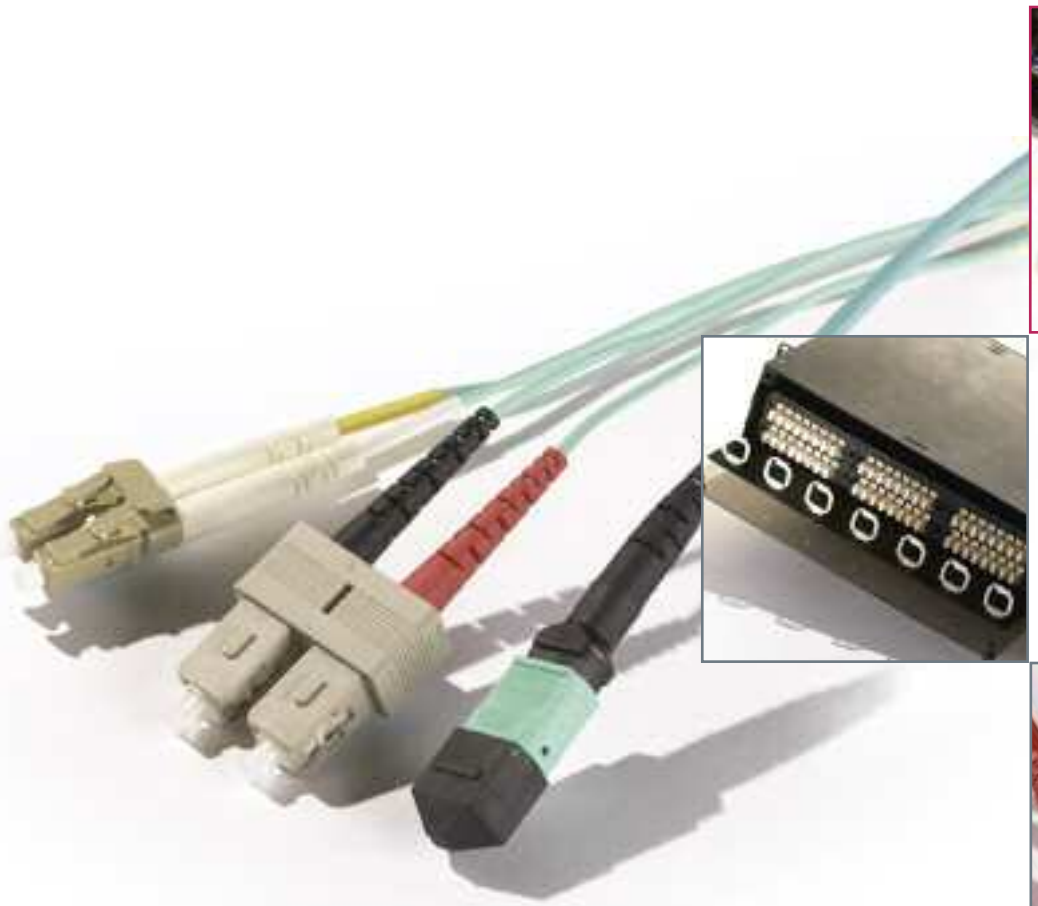
www.signamax.com

Table of Contents

KEEPING YOUR WORLD Connected



SIGNAMAX™
CONNECTIVITY SYSTEMS

Bicsi CORPORATE MEMBER

TIA 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 installation, 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, 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 plant when distances exceed 100 meters, or when high EMI environments exist.

At Signamax, we're dedicated to making your business run more efficiently, with network solutions backed by long-term performance warrantees 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.

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_A 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 and a fully screened version, both designed to eliminate alien crosstalk, ensuring 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

www.signamax.com

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 wiring blocks having enough transmission performance head-room 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.

SIGNAMAX™
CONNECTIVITY SYSTEMS

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 System provides a powerful, cost-effective platform to support the most bandwidth-intensive applications.

At the heart of the Signamax Category 6 System 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 6

www.signamax.com

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 component 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.

Section C

Category 6 Patch Cords

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.

SIGNAMAX™
CONNECTIVITY SYSTEMS

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-connect 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 100 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-T/TX and 1000BASE-T. 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

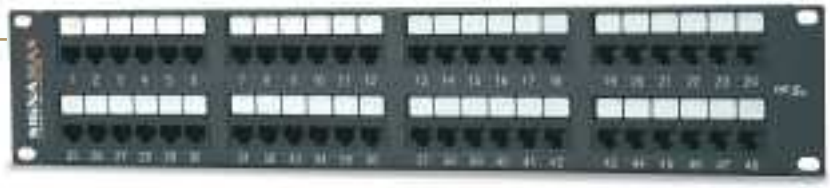
Offered in both a keystone type and a front-load, front-removable modular system, Signamax Category 5e Work Area products offer flexibility and ease of installation for any application. All connector modules and jacks exceed component performance standards as defined in ANSI/TIA-568-C.2.

CAT 5e

www.signamax.com

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 applications. Panels exceed component 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 consolidation 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.

SIGNAMAX™
CONNECTIVITY SYSTEMS

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 adapter plates compatible with all Signamax wall- and rack-mount enclosures is available with fiber counts up to 24 per adapter plate.

Signamax offers a wide range of optical fiber patch cords including 62.5- and 50-μm multimode, singlemode, and 50-μm 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 form 12 to 288 fibers and feature a front slide-out tray for easy access to patch cord connections. A wide range of fiber adapter plates are available for ST, FC, 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 2-plate enclosure and 96 fibers in the 4-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-μm or 50-μm) or single-mode designs with ST, FC, SC, and small-form-factor connectors including LC and MT-RJ. Patch cords are manufactured using riser-rated (OFNR) cable and are 100% factory tested to ensure performance to ANSI/TIA-568-C.3 standards.

Work Area

OUTLET SYSTEMS

www.signamax.com

Category 6A 10G MT-Series High-Density Keystone Jacks

Signamax Category 6A 10G MT-Series Keystone Jacks have been designed to meet 10 Gigabit Ethernet IEEE 802.3an transmission reqiurements and are guaranteed to exceed ANSI/TIA-568-C.2 component-level 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 or the new MT-8600 multipair tool to save termination time and ensure reliable, precise, and consistent terminations. 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 MT-Series Keystone Jacks

PART NO.	DESCRIPTION
KJ458MT-C6AC	Category 6A 10G MT-Series Keystone Jack, T568A/B Wiring, Light Ivory

Standard color Light Ivory For other colors add the following to P/N:

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

Part Number Example: KJ458MT-C6AC-BU - Category 6A MT-Series Keystone Jack, Blue

Category 6A 10G Screened Toolless Keystone Jack

Category 6A 10G Screened Jacks are designed for the same high level of performance standards as our unscreened 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
KJS458TL-C6AC	Category 6A 10G Screened Toolless Keystone Jack, T568A/B Wiring

Category 6 MT-Series High-Density 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/B wiring schemes using an easy-to-read color-code wiring label and can be terminated using standard single-position 110 tools or the new KJMT-8600 multipair tool to save termination time and ensure reliable, precise, and consistent terminations. 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.

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 tabs and dust covers with icons for voice or data identification.

Category 6 MT-Series Keystone Jacks

PART NO.	DESCRIPTION
KJ458MT-C6C	Category 6 MT-Series Keystone Jack, T568A/B Wiring, Light Ivory

Standard color Light Ivory For other colors add the following to P/N:

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

Part Number Example: KJ458MT-C6C-BU - Category 6 MT-Series Keystone Jack, Blue

Category 5e MT-Series High-Density Keystone Jacks

Category 5e connectors are engineered to exceed all ANSI/TIA-568-C.2 category 5e requirements and are slim in profile for the highest-density applications. 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 or the new KJMT-8600 multipair tool to save termination time and ensure reliable, precise, and consistent terminations.

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 tabs and dust covers with icons for voice or data identification.

Category 5e MT-Series Keystone Jacks

PART NO.	DESCRIPTION
KJ458MT-C5E	Category 5e MT-Series Keystone Jack, T568A/B Wiring, Light Ivory

Standard color Light Ivory For other colors add the following to P/N:

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

Part Number Example: KJ458MT-C5E-BU - Category 5e MT-Series Keystone Jack, Blue

Voice-Grade MT-Series 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 or the new KJMT-8600 multipair tool to save termination time and ensure reliable, precise, and consistent terminations. 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 tabs and dust covers with icons for easy circuit identification.

Voice-Grade MT-Series High-Density Keystone Jacks

PART NO.	DESCRIPTION
KJ126MT-C3U	Voice-Grade RJ-12 6P6C MT-Series Keystone Jack, USOC Wiring, Light Ivory

Standard color Light Ivory For other colors add the following to P/N:

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

Part Number Example: KJ126MT-C3U-BU - Voice-Grade MT-Series Keystone Jack, Blue

MT-Series Keystone Jacks - Package of 25

Category 6, 5e and Voice-Grade MT-Series Keystone are now available in packages of 25 using a reseal heavy-duty clear package. This packaging saves time and reduces packaging waste on larger installation. Jacks are available in light ivory, white, blue and black.

MT-Series Keystone Jacks - 25 Pack

PART NO.	DESCRIPTION
KJ458MT25-C6C	Category 6 MT-Series Keystone Jack, T568A/B Wiring, Light Ivory, 25-Pack
KJ458MT25-C5E	Category 5e MT-Series Keystone Jack, T568A/B Wiring, Light Ivory, 25-Pack
KJ126MT25-C3U	Voice-Grade RJ-12 6P6C MT-Series Keystone Jack, USOC Wiring, Light Ivory, 25-Pack

Standard color Light Ivory For other colors add the following to P/N:

-WH (White) **-BU** (Blue) **-BK** (Black)

Part Number Example: KJ458MT25-C6C-BU - Category 6 MT-Series Keystone Jack, Blue, 25-Pack

4-Pair Termination Tool for MT-Series Keystone Jacks

The new Signamax KJMT-8600 4-Pair Termination Tool is designed to work with all MT-Series Keystone Jacks. The KJMT-8600 tool simultaneously terminates all eight twisted-pair cable conductors along with trimming of conductor excess. This innovative tool saves installation time while ensuring precise and consistent termination of all pairs due to the calibrated die drive mechanism. The tool features a comfortable plastic handle and is lightweight and compact design with replaceable dies, and can be stored in the closed position using the integrated lock to save space.

4-Pair Termination Tool for MT-Series Keystone Jacks

PART NO.	DESCRIPTION
KJMT-8600	4-Pair Termination Tool for MT-Series Keystone Jacks
KJMT-8600-DS	Replacement Termination Die for KJMT-8600 Tool

Category 6 and Category 5e Screened Toolless Keystone Jacks

Category 6 and Category 5e Screened Toolless Keystone Jacks

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 and category 5e requirements. Jacks are fully shielded to optimize protection from EMI. This uniquely designed connector features a toolless termination method for quick and easy installation.

PART NO.	DESCRIPTION
KJS458TL-C6C	Category 6 Screened Toolless Keystone Jack, T568A/B Wiring
KJS458TL-C5E	Category 5e Screened Toolless Keystone Jack, T568A/B Wiring

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 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 Dust Covers, Voice, Package of 50, Light Ivory
DIT-50D-IV	Designation Icon Tabs, Data, Package of 50, Light Ivory
DIT-50V-IV	Designation Icon Tabe, 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)

Termination Tools

Signamax single-position termination tool is a versatile impact tool designed to terminate and cut conductor excess. 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

Keystone Jack Termination Fixture

The universal termination fixture is compatible with Category 6A, 6, 5e and Voice-Grade Keystone Kacks. It helps to facilitate wire positioning and termination on-site.

PART NO.	DESCRIPTION
KJ-TF	Keystone Jack Termination Fixture

Keystone Multimedia Modules

Blank 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 **-WH** (White) **-DI** (Ivory) **-GY** (Gray) **-BK** (Black)

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 **-WH** (White) **-DI** (Ivory) **-GY** (Gray) **-BK** (Black)

F-Type Compression Connector Modules

F-Type Compression Modules are compatible with all Signamax keystone faceplates and surface-mount boxes. The connectors are designed for RG6 quad shield coaxial cable to provide superior video and audio performance.

PART NO.	DESCRIPTION
CMK-F-CF	F-Type Compression Keystone Connector Module

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

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 **-WH** (White) **-GY** (Gray) **-BK** (Black)

Keystone Multimedia Modules

RCA-110 Connector Modules

The RCA-to-110 modules enable transmission of audio/video signals over category 5e or 6 twisted-pair 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 **-WH** (White) **-GY** (Gray) **-BK** (Black)

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 **-WH** (White) **-GY** (Gray) **-BK** (Black)

RCA Compression Connector Modules

RCA Female Compression Modules are compatible with all Signamax keystone faceplates and surface-mount boxes. The connectors are designed for RG6 quad shield coaxial cable to provide superior video and audio performance. RCA modules are offered in five colors to indicate connection type.

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

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

SVHS-110 Connector Module

The SVHS-to-110 modules enable 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 **-WH** (White) **-GY** (Gray) **-BK** (Black)

Keystone Multimedia Modules

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 **-WH** (White) **-GY** (Gray) **-BK** (Black)

HDMI Feed-Thru Connector Module

The HDMI Feed-Thru Connector Module is compatible with all Signamax faceplates and surface mount boxes. The HDMI connector is compatible with Type A plugs and support all HDMI sources.

PART NO.	DESCRIPTION
CMK-HDMI-WH	HDMI Feed-Thru Keystone Connector Module

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

USB Feed-Thru Connector Module

The USB Feed-Thru Connector Module is compatible with all Signamax faceplates and surface mount boxes. The USB connector accepts Type A plugs and is complient with USB 2.0 standards.

PART NO.	DESCRIPTION
CMK-USB-WH	USB Feed-Thru Keystone Connector Module

Standard color Light Ivory For white add the following to P/N **-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 short-range applications. Modules with ceramic sleeves are available for precision singlemode alignment.

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

Standard color Light Ivory
For other colors add the following to P/N **-WH** (White) **-GY** (Gray) **-BK** (Black)

Keystone Faceplates

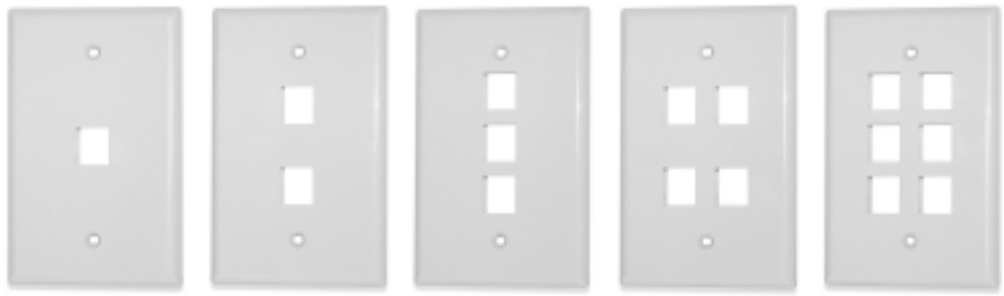
Single-Gang Faceplates

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 **-WH** (White) **-DI** (Ivory) **-GY** (Gray) **-BK** (Black)



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 help hiding irregular drywall cuts and flaws around openings.

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 white 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 **-WH** (White) **-DI** (Ivory) **-GY** (Gray) **-BK** (Black)

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 to the connector interface 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) **-DI** (Ivory) **-GY** (Gray) **-BK** (Black)

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

Single-Gang Stainless Steel Faceplates with Labeling Windows

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.These faceplates feature top and bottom designation labeling windows for convenient faceplate identification.

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

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 Faceplate with Labeling Windows

Angled faceplate is available in an 8-port version. This plate allows an angled patch cord exit to prevent damage to the connector interface 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 white add the following to P/N **-WH** (White)

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) **-DI** (Ivory)

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 other colors add the following to P/N **-WH** (White) **-DI** (Ivory)

Telephone & Video Wallplates / Surface-Mount Faceplate Boxes

Telephone and Video Wallplates

Faceplates are offered in a number of different types for both telephone and video applications. The telephone faceplates are offered in a single or dual RJ-11 6P4C connector with screw terminal termination.

PART NO.	DESCRIPTION
SCF-1P46S	1-Port RJ11 6P4C Telephone Faceplate, Light Ivory
SCF-2P46S	2-Port RJ11 6P4C Telephone Faceplate, Light Ivory
SCF-2P46SF	2-Port RJ11 6P4C & F-Type Telephone/Video Faceplate, Light Ivory
SCF-1F	1-Port F-Type Video Faceplate, Light Ivory
SCF-2F	2-Port F-Type Video Faceplate, Light Ivory

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

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

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 **-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 **-WH** (White) **-GY** (Gray) **-BK** (Black)

Surface-Mount Multimedia Boxes

Surface-Mount Multimedia Boxes

Surface-mount multimedia boxes are available in a 1-, 2-, 4-, and 6-port versions. The 3-port tamper-proof surface-mount multimedia box 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
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
SMKT-3	3-Port Surface-Mount Tamper-Proof Multimedia Box

Standard color Light Ivory

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

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 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 twisted-pair 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
SKFLA-1S-85-WH	1-Port Angled Keystone International Outlet, 85 x 85 mm, White
SKFLA-2S-85-WH	2-Port Angled Keystone International Outlet, 85 x 85 mm, White
SMB-85-WH	Surface-Mount Box for 85 x 85-mm International Outlets, White

Multimedia Modular Outlet System

The Signamax Multimedia Modular Outlet System offers the versatility to mount a wide variety of copper, fiber and audio/video connector modules in single- or dual-gang faceplates and surface mount boxes. The system features front-loading of connector modules with a snap-in process allowing additions or outlet configuration changes to be made quickly. This System is the perfect solution for conference rooms, classrooms, training rooms and other areas requiring deployment of data, voice, audio and video systems.

Faceplates have both top and bottom labeling windows for station identification and are supplied with white cards and clear label covers. For installations that 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. The 3-module surface mount box features an integral cable management spool, port labeling and raceway knockouts.

Connector Modules are available in category 6, 5e and voice-grade performance levels and are designed for ease and reliability of termination. Fiber modules accommodate feed-thru adapters ranging from ST, SC and LC in multimode, singlemode and multimode LOF for 10G applications. A wide selection of audio/video modules is available to accommodate applications requiring F-Type, BNC, RCA connections along with 3-Way Binding Post, S-Video, VGA/SVGA, DVI, HDMI and USB connections.

Single- and Double-Gang Faceplates

PART NO.	DESCRIPTION
SGF-06	Single-Gang Faceplate w/2 ID Labels, 2 Clear ID Covers, 2 Color-Coded Screw Covers
DGF-12	Double-Gang Faceplate w/4 ID Labels, 4 Clear ID Covers, 4 Color-Coded Screw Covers

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

Category 6, 5e and Voice Grade Connector Modules

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
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 white add the following to P/N **-WH** (White)

Multimedia Modular Outlet System

Blank Module

PART NO.	DESCRIPTION
SCM-BL	Blank Module

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

Single- and Dual-Port Keystone Jack Connector Modules

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 white add the following to P/N **-WH** (White)

Modules accept only category 6A, 6, 5e and Voice-Grade Keystone Jacks

Single- and Dual-Port Multimedia Connector Modules

PART NO.	DESCRIPTION
SCM-1-MCU	1-Port Multimedia Connector Module
SCM-2-MCU	2-Port Multimedia Connector Module

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

Modules accept category 6A, 6, 5e and Voice-Grade Keystone Jacks and all CMK Series Keystone Multimedia Connector Modules

ST Fiber Connector Module

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

For 45° exit add -A to P/N

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

SC Fiber Connector Module

PART NO.	DESCRIPTION
SCM-2SC	2-Fiber SC MM Connector Module, 180° Exit
SCM-2SC-C	2-Fiber SC SM Connector Module, 180° Exit
SCM-2SC-G	2-Fiber SC MM 10G LOF Connector Module, 180° Exit
SCM-2SCA-C	2-Fiber SC APC SM Connector Module, 180° Exit

For 45° exit add -A to P/N

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

LC Fiber Connector Module

PART NO.	DESCRIPTION
SCM-1LC	2-Fiber LC MM Connector Module, 180° Exit
SCM-1LC-C	2-Fiber LC SM Connector Module, 180° Exit
SCM-1LC-G	2-Fiber LC MM 10G LOF Connector Module, 180° Exit
SCM-1LCA-C	2-Fiber LC APC SM Connector Module, 180° Exit
SCM-2LC	4-Fiber LC MM Connector Module, 180° Exit
SCM-2LC-C	4-Fiber LC SM Connector Module, 180° Exit
SCM-2LC-G	4-Fiber LC MM 10G LOF Connector Module, 180° Exit
SCM-4LCA-C	4-Fiber LC APC SM Connector Module, 180° Exit

For 45° connector add -A to P/N

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

Multimedia Modular Outlet System

F-Type Connector Module

PART NO.	DESCRIPTION
SCM-1F	1-Port F-Type 75 Ohm 3 GHz Connector Module, 180° Exit
SCM-2F	2-Port F-Type 75 Ohm 3 GHz Connector Module, 180° Exit

For 45° exit add -A to P/N

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

BNC Connector Module

PART NO.	DESCRIPTION
SCM-1BNC	1-Port 50 Ohm BNC Connector Module, 180° Exit
SCM-2BNC	2-Port 50 Ohm BNC Connector Module, 180° Exit
SCM-1BNC75	1-Port 75 Ohm BNC Connector Module, 180° Exit
SCM-2BNC75	1-Port 75 Ohm BNC Connector Module, 180° Exit

For 45° exit add -A to P/N

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

S-Video Connector Module

PART NO.	DESCRIPTION
SCM-1SV	1-Port S-Video Feed-Thru Connector Module, 180° Exit
SCM-2SV	2-Port S-Video Feed-Thru Connector Module, 180° Exit

For 45° exit add -A to P/N

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

3-Way Binding Post Connector Module

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

For 45° exit add -A to P/N

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

RCA Connector Modules

PART NO.	DESCRIPTION
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/Green/Blue) Feed-Thru 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/Green/Blue) Solder Module, 180° Exit

For 45° exit add -A to P/N

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

Multimedia Modular Outlet System

VGA HD-15 Connector Modules

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

Available only with 180° exit

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

HDMI Connector Modules

PART NO.	DESCRIPTION
SCM-1HDMI	1-Port HDMI Feed-Thru Connector Module, 180° Exit
SCM-2HDMI	2-Port HDMI Feed-Thru Connector Module, 180° Exit

Available only with 180° exit

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

USB Connector Modules

PART NO.	DESCRIPTION
SCM-1USB	1-Port USB Feed-Thru Connector Module, 180° Exit
SCM-2USB	2-Port USB Feed-Thru Connector Module, 180° Exit

Available only with 180° exit

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

Multimedia 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 slack 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 Light Ivory For white add the following to P/N **-WH** (White)

One-Module 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 Light Ivory For white add the following to P/N **-WH** (White)

Multimedia 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 **-GY** (Gray) **-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
DL-112-BU	Port Designation Labels, Sheet of 112 Labels, Blue
DL-112-GN	Port Designation Labels, Sheet of 112 Labels, Green
DL-112-OR	Port Designation Labels, Sheet of 112 Labels, Orange
DL-112-RD	Port Designation Labels, Sheet of 112 Labels, Red
DL-112-WH	Port Designation Labels, Sheet of 112 Labels, White
DL-112-YE	Port Designation Labels, Sheet of 112 Labels, Yellow
FL-100B-WH	Faceplate Designation Cards, Sheet of 100, White

Industrial-Grade Solutions

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 both unscreened and screened versions.

Category 6 and Category 5e 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
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 C7 for Industrial-Grade Field-Installable Plugs

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 Patch Cords

Signamax industrial-grade patch cords provide 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. (See page C7 for details.)

Industrial-Grade Solutions

Industrial-Grade Surface-Mount Boxes

Harsh Environment / Industrial-Grage 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.

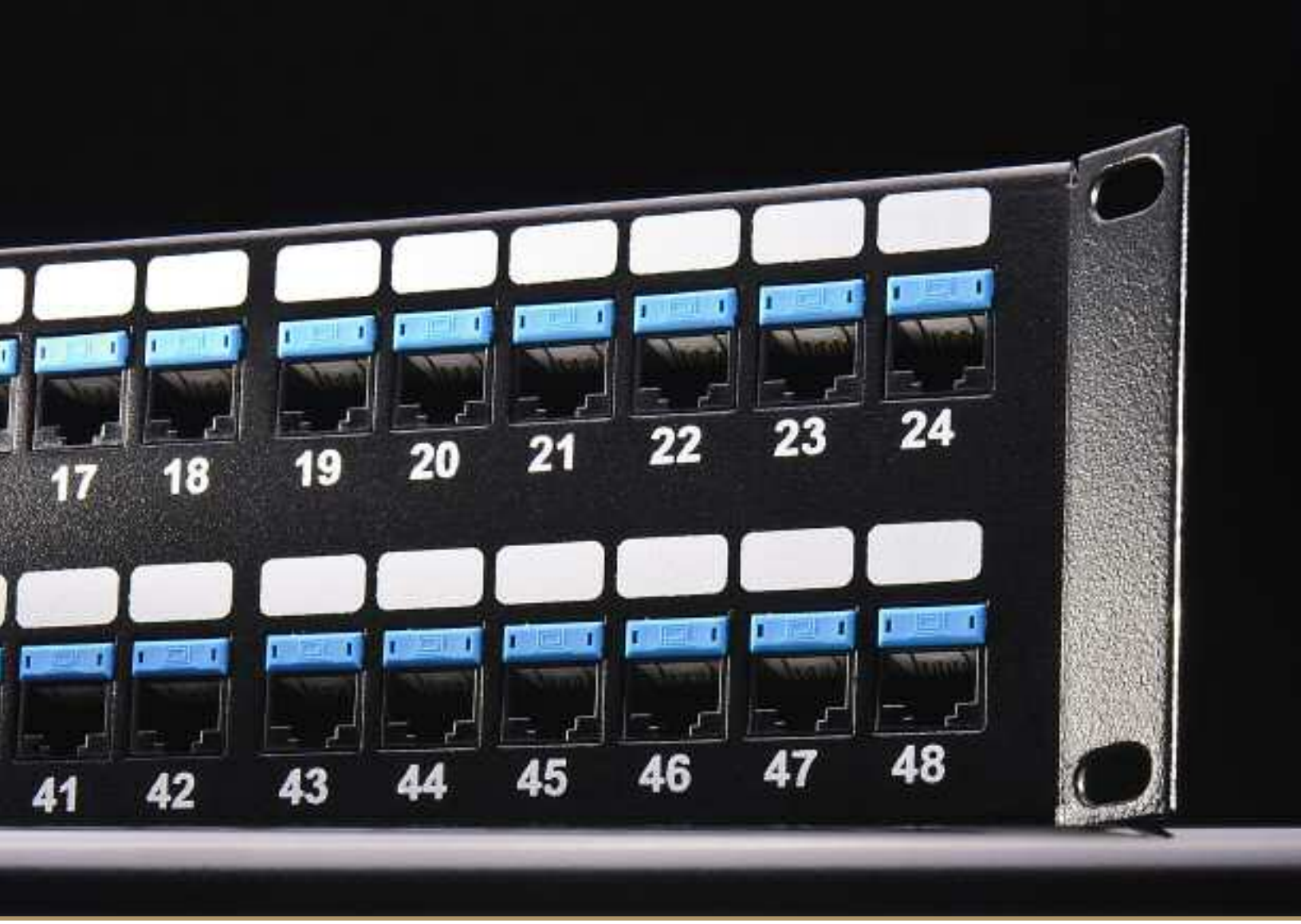
PART NO.	DESCRIPTION
SMKIG-1	1-Port Industrial-Grade Surface-Mount Box
SMKIG-2	2-Port Industrial-Grade Surface-Mount Box
SMKIG-3	3-Port Industrial-Grade Surface-Mount Box
SMKIG-4	4-Port Industrial-Grade Surface-Mount Box

Keystone Jack DIN-Rail Mounting Modules

Keystone Jack Industrial DIN-Rail Mounting Modules provide an opportunity to combine advantages of regular keystone jack design and transmission performance with simplicity and usability of industrial DIN-rail mounting systems. State-of-the-art module's design provides features usually found in office work area solutions - universal labeling, protection covers, "front access," "gravity compensation" for patch cords along with important features for the industrial applications aspects such as toolless mounting and replacement of connector modules, quick access to any part of the assembly. Additionally, modules allow installing screened jacks without any extra efforts, parts and tools.

Keystone Jack Industrial DIN-Rail Mounting Modules

PART NO.	DESCRIPTION
KI-DIN-RMM-SL	Keystone Jack Industrial DIN-Rail Mounting Module with 2 Side Covers
KI-DIN-RMM	Keystone Jack Industrial DIN-Rail Mounting Module w/o Side Covers



Patch Panels AND Cross-Connect SYSTEMS

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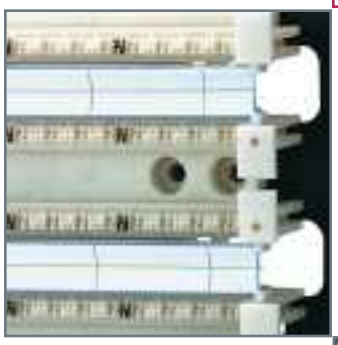


Category 6A 10G Patch Panels

Category 6A Patch Panels are designed to meet 10 Gigabit Ethernet IEEE 802.3an 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 with category 6A connectors supporting both T568A and T568B wiring using an easy-to-read color-code labels and can be terminated using standard single-position 110 termination tool or the KJMT-8600 4-pair 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 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 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 patch panels. Angled panels are supplied with black category 6A jacks supporting both T568A and T568B wiring using an easy-to-read color-code labels. 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 management panels, which provides additional rack space in high-density applications.

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

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 category 6A unscreened or screened jacks and are supplied with cable management bars. These field-configurable panels provide the ability to populate only the number of ports that are needed and can be configured with unscreened connectors of different colors providing 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
24U-HDMMP-A-C6A	24-Port Category 6A Angled Field-Configurable Unloaded Panel, 1.75” High
48U-HDMMP-A-C6A	48-Port Category 6A Angled Field-Configurable Unloaded Panel, 3.50” High

Category 6A 10G Screened Patch Panels

Category 6A Screened Patch Panels are designed to meet 10 Gigabit Ethernet IEEE 802.3an ransmission 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 labels. This uniquely designed connector features a toolless 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 Screened Angled Patch Panels

Category 6A 10G Screened Angled Patch Panels are designed to the same high-level performance as our standard category 6A screened patch panels. 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 management panels, which provides additional rack space in high-density applications.

PART NO.	DESCRIPTION
24458SA-C6A	24-Port Category 6A 10G Screened Angled Patch Panel, T568A/B Wiring 1.75” High
48458SA-C6A	48-Port Category 6A 10G Screened Angled 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 and screened 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 U/UTP Cable, CMP
6L-C6A-JB-P-FXXX	Category 6A 10G 6-Leg Trunk Cable, Jack-to-Open, Unscreened U/UTP Cable, CMP
6L-C6AS-JJ-P-FXXX	Category 6A 10G 6-Leg Trunk Cable, Jack-to-Jack, Screened F/UTP Cable, CMP
6L-C6AS-JB-P-FXXX	Category 6A 10G 6-Leg Trunk Cable, Jack-to-Open, Screened F/UTP Cable, CMP
6L-C6A-JJ-R-FXXX	Category 6A 10G 6-Leg Trunk Cable, Jack-to-Jack, Unscreened U/UTP Cable, CMR
6L-C6A-JB-R-FXXX	Category 6A 10G 6-Leg Trunk Cable, Jack-to-Open, Unscreened U/UTP Cable, CMR
6L-C6AS-JJ-R-FXXX	Category 6A 10G 6-Leg Trunk Cable, Jack-to-Jack, Screened F/UTP Cable, CMR
6L-C6AS-JB-R-FXXX	Category 6A 10G 6-Leg Trunk Cable, Jack-to-Open, Screened F/UTP Cable, CMR

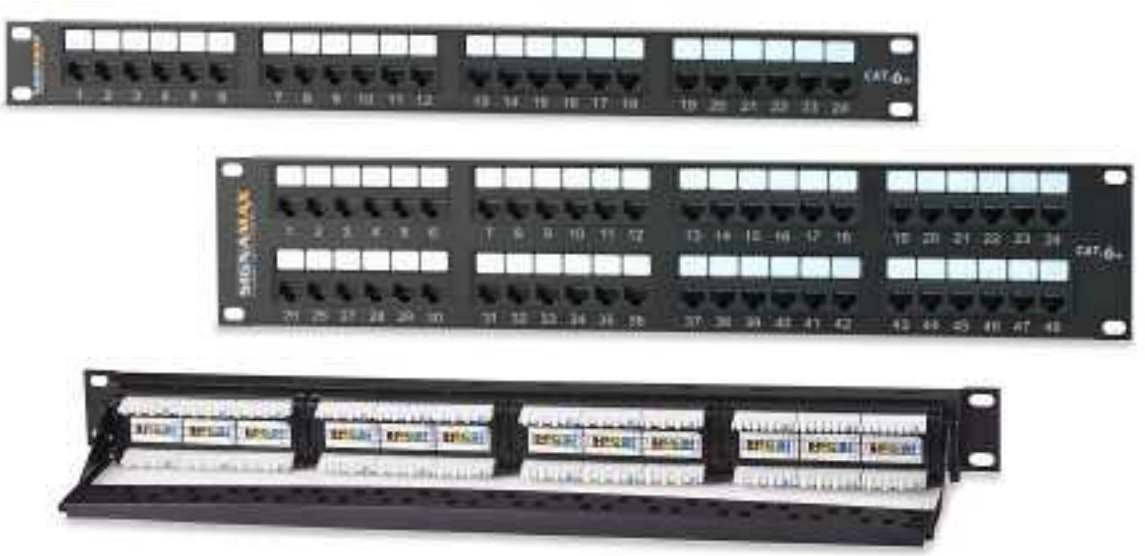
For length substitute XXX for length in feet. Minimum length is 10 ft. Maximum length is 295 ft.
Unscreened cable color is blue. Screened cable is gray. Other colors are available.
Standard cable is straight-cut for either left or right cable exit. Staggered-cut cables are available.

Category 6 Patch Panels

Category 6 Patch Panels are designed to exceed ANSI/TIA-568-C.2 component 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-code 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. The Category 6 panel features standard 4-pair 110 connectors for more reliable termination and improved cable retention.

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 without the need for mounting screws, 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
CMB-250-P	Panel-Mount Cable Management Bar, 2.5” 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 providing 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 patch panels. Angled panels are supplied with black category 6 jacks supporting both T568A and T568B wiring using an easy-to-read color-code labels. 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 management panels, which provides additional rack space in high-density applications.

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

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

Field-Configurable Unloaded Patch Panels

Unloaded panels are available for field configuration. Panels accept unscreened or screened jacks and are supplied with cable management bars. These field-configurable panels provide the ability to populate only the number of ports that are needed and can be configured with unscreened connectors of different colors providing additional color-coding capabilities.

PART NO.	DESCRIPTION
24U-HDMMP	24-Port Field-Configurable Unloaded Patch Panel, 1.75” High
48U-HDMMP	48-Port Field-Configurable Unloaded Patch Panel, 3.50” High
24U-HDMMP-A	24-Port Angled Field-Configurable Unloaded Panel, 1.75” High
48U-HDMMP-A	48-Port Angled Field-Configurable Unloaded Panel, 3.50” High
48U-HDMMP-1R	48-Port High-Density Field-Configurable Unloaded Panel, 1.75” High

Category 6 Patch Panels

Category 6 Screened Patch Panels

Category 6 Screened Patch Panels are available in 24- and 48-port sizes and provide the ability to terminate fully screened category 6 cable. These panels exceeds ANSI/TIA-568-C.2 specifications for superior performance. Panels feature 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
48458S-C6C	48-Port Category 6 Screened Patch Panel, T568A/B, 3.50” 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 ports 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** (Green) **-OR** (Orange) **-RD** (Red) **-WH** (White) **-YE** (Yellow)

Labels are available for the following panel P/N’s only; 12458MD-C6C, 24458MD-C6C, 48458MD-C6C and 12458M-C6C
12458MD-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 and screened versions in either a jack-to-jack, jack-to-plug or jack-to-blunt cut configurations. Trunk cables can be used with any category 6 field-configurable patch panel (see page B6).

Category 6 Pre-Terminated Trunk Assemblies

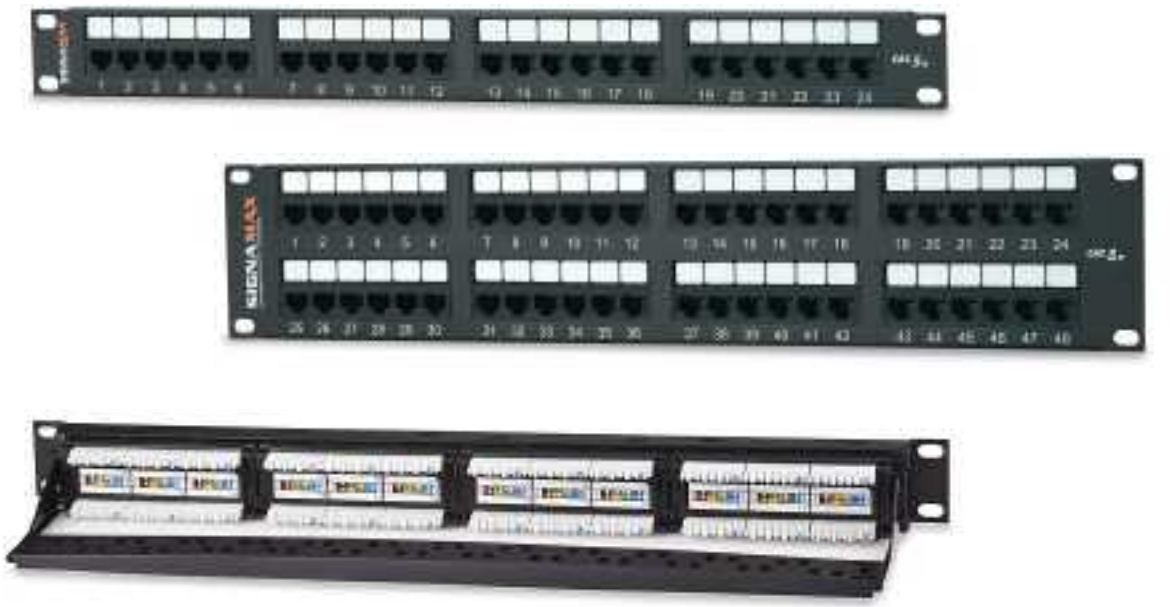
PART NO.	DESCRIPTION
6L-C6-JJ-P-FXXX	Category 6 6-Leg Trunk Cable, Jack-to-Jack, Unscreened U/UTP Cable, CMP
6L-C6-JP-P-FXXX	Category 6 6-Leg Trunk Cable, Jack-to-Plug, Unscreened U/UTP Cable, CMP
6L-C6-JB-P-FXXX	Category 6 6-Leg Trunk Cable, Jack-to-Open, Unscreened U/UTP Cable, CMP
6L-C6S-JJ-P-FXXX	Category 6 6-Leg Trunk Cable, Jack-to-Jack, Screened F/UTP Cable, CMP
6L-C6S-JP-P-FXXX	Category 6 6-Leg Trunk Cable, Jack-to-Plug, Screened F/UTP Cable, CMP
6L-C6S-JB-P-FXXX	Category 6 6-Leg Trunk Cable, Jack-to-Open, Screened F/UTP Cable, CMP
6L-C6-JJ-R-FXXX	Category 6 6-Leg Trunk Cable, Jack-to-Jack, Unscreened U/UTP Cable, CMR
6L-C6-JP-R-FXXX	Category 6 6-Leg Trunk Cable, Jack-to-Plug, Unscreened U/UTP Cable, CMR
6L-C6-JB-R-FXXX	Category 6 6-Leg Trunk Cable, Jack-to-Open, Unscreened U/UTP Cable, CMR
6L-C6S-JJ-R-FXXX	Category 6 6-Leg Trunk Cable, Jack-to-Jack, Screened F/UTP Cable, CMR
6L-C6S-JP-R-FXXX	Category 6 6-Leg Trunk Cable, Jack-to-Plug, Screened F/UTP Cable, CMR
6L-C6S-JB-R-FXXX	Category 6 6-Leg Trunk Cable, Jack-to-Open, Screened F/UTP Cable, CMR

For length substitute XXX for length in feet. Minimum length is 10 ft. Maximum length is 295 ft.
Unscreened 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.

Category 5e Patch Panels

Category 5e Patch Panels are designed to exceed ANSI/TIA-568-C.2 component performance specifications providing usable bandwidth beyond 100 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-code labels.

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. 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 without the need for mounting screws, 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
CMB-250-P	Panel-Mount Cable Management Bar, 2.5” 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 providing 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 Panels are designed to the same high-level performance as our standard category 5e patch panels. Angled panels are supplied with black category 5e jacks supporting both T568A and T568B wiring schemes using an easy-to-read color-code labels. 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 management panels, which provides additional rack space in high-density applications.

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

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

Field-Configurable Unloaded Patch Panels

Unloaded panels are available for field configuration. Panels accept unscreened or screened jacks and are supplied with cable management bars. These field-configurable panels provide the ability to populate only the number of ports that are needed and can be configured with unscreened connectors of different colors providing additional color-coding capabilities.

PART NO.	DESCRIPTION
24U-HDMMP	24-Port Field-Configurable Unloaded Patch Panel, 1.75” High
48U-HDMMP	48-Port Field-Configurable Unloaded Patch Panel, 3.50” High
24U-HDMMP-A	24-Port Angled Field-Configurable Unloaded Panel, 1.75” High
48U-HDMMP-A	48-Port Angled Field-Configurable Unloaded Panel, 3.50” High
48U-HDMMP-1R	48-Port High-Density Field-Configurable Unloaded Panel, 1.75” High

Category 5e Patch Panels

Category 5e Screened Patch Panels

Category 5e Screened Patch Panels are available in 24- and 48-port sizes and provide the ability to terminate fully screened category 5e cable. These panels exceeds ANSI/TIA-568-C.2 specifications for superior performance. Panels feature front labeling areas and comes with a rear cable management bar that mounts easily to the back of the panel.

PART NO.	DESCRIPTION
24458S-C5E	24-Port Category 5e Screened Patch Panel, T568A/B, 1.75” High
48458S-C5E	48-Port Category 5e Screened Patch Panel, T568A/B, 3.50” 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.

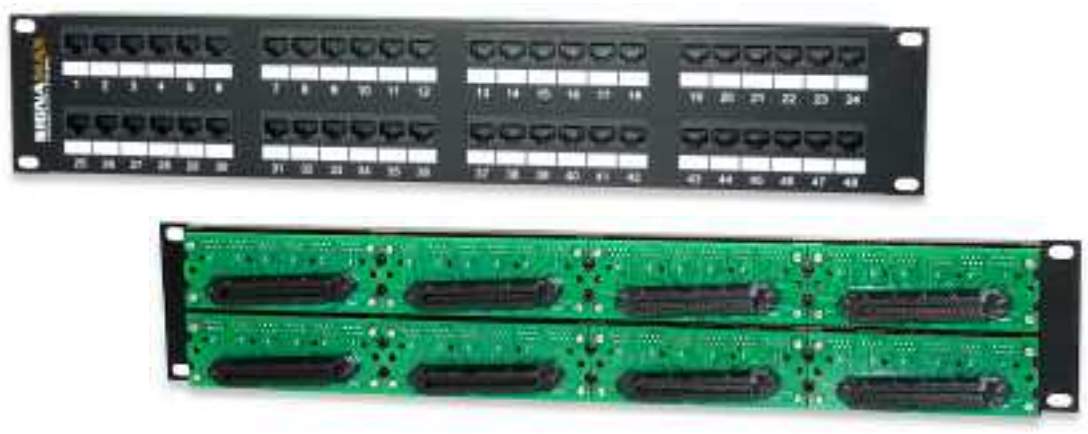
PART NO.	DESCRIPTION
12458M-C5E	12-Port Category 5e Mini Panel w/89D Bracket, T568A/B
12458MH-C5E	12-Port Category 5e Hinged Mini Panel, T568A/B

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 stand-off 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-code labels.

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



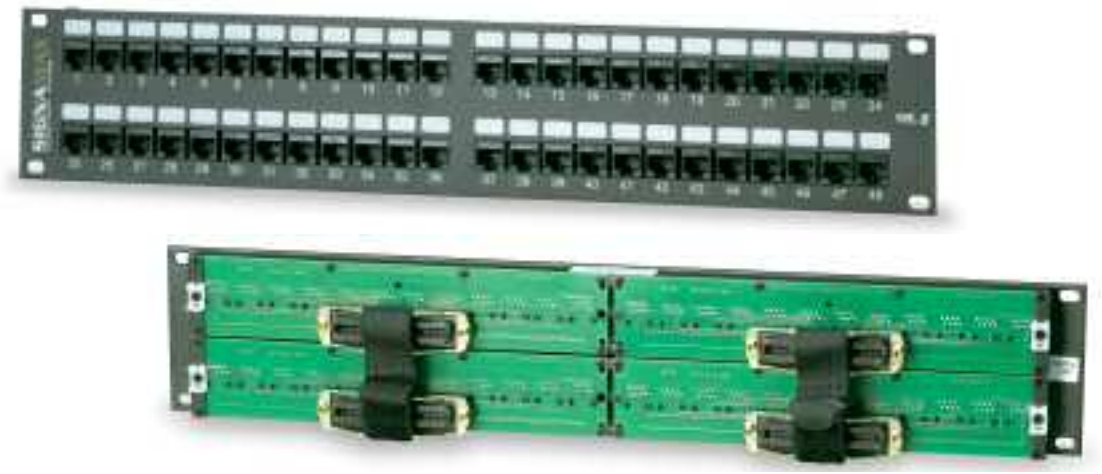
Gigabit Ethernet Modular-Telco Patch Panels

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 8P8C 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 10/100BASE-TX 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
24112-C3MU	24-Port Category 3 RJ-11 2W Modular-Telco Patch Panel, Active Pins 3-4, USOC, Male, 1.75” High
48112-C3MU	48-Port Category 3 RJ-11 2W Modular-Telco Patch Panel, Active Pins 3-4, USOC, Male, 3.50” High
24114-C3MU	24-Port Category 3 RJ-11 4W Modular-Telco Patch Panel, Active Pins 2-5, USOC, Male, 1.75” High
48114-C3MU	48-Port Category 3 RJ-11 4W Modular-Telco Patch Panel, Active Pins 2-5, USOC, Male, 3.50” High
24452-C3MU	24-Port Category 3 RJ-45 2W Modular-Telco Patch Panel, Active Pins 4-5, USOC, Male, 1.75” High
48452-C3MU	48-Port Category 3 RJ-45 2W Modular-Telco Patch Panel, Active Pins 4-5, USOC, Male, 3.50” High
24454-C3MU	24-Port Category 3 RJ-45 4W Modular-Telco Patch Panel, Active Pins 3-6, USOC, Male, 1.75” High
48454-C3MU	48-Port Category 3 RJ-45 4W Modular-Telco Patch Panel, Active Pins 3-6, 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 active equipment in a telecommunications room and it 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 version 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
48458SFTHD1-C6	48-Port Category 6 Screened High-Density Feed-Thru Patch Panel, 1.75” High
48458FTHD1-C5E	48-Port Category 5e High-Density Feed-Thru Patch Panel, 1.75” High
48458SFTHD1-C5E	48-Port Category 5e Screened High-Density Feed-Thru Patch Panel, 1.75” High

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

When connecting active 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

Standard-Density F-Type Feed-Thru Patch Panels

F-Type Connector Feed-Thru Patch Panel

PART NO.	DESCRIPTION
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
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

Standard-Density BNC Feed-Thru Patch Panels

BNC Feed-Thru Patch Panels

PART NO.	DESCRIPTION
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
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

High-Density F-Type and BNC Feed-Thru Patch Panels

High-Density F-Type Connector Feed-Thru Patch Panel

PART NO.	DESCRIPTION
24FHD-FT	24-Port 1-GHz F-Type High-Density Feed-Thru Patch Panel, 1.75” High
48FHD-FT	48-Port 1-GHz F-Type High-Dendity Feed-Thru Patch Panel, 3.50” High
24F3HD-FT	24-Port 3-GHz F-Type High-Density Feed-Thru Patch Panel, 1.75” High
48F3HD-FT	48-Port 3-GHz F-Type High-Density Feed-Thru Patch Panel, 3.50” High

High-Density BNC Feed-Thru Patch Panels

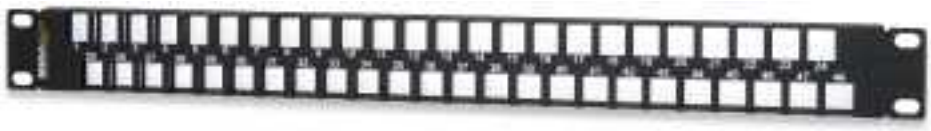
PART NO.	DESCRIPTION
24BNCHD-FT	24-Port 50-Ohm BNC High-Density Feed-Thru Patch Panel, 1.75” High
48BNCHD-FT	48-Port 50-Ohm BNC High-Density Feed-Thru Patch Panel, 3.50” High
24BNC75HD-FT	24-Port 75-Ohm BNC High-Density Feed-Thru Patch Panel, 1.75” High
48BNC75HD-FT	48-Port 75-Ohm BNC High-Density Feed-Thru Patch Panel, 3.50” 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



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

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 management panels providing 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

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 port layout 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
12U-MH	12-Port Field-Configurable Multimedia Hinged Panel

110 Wiring Blocks

Category 6A 110 Wiring Blocks

Category 6A Wiring Blocks accommodate a range of solid conductor sizes from 22 to 26 AWG and are designed to support ANSI/TIA-568-C.2 category 6A channel performance. Blocks are available in 32-, 64-, and 192-pair sizes with mounting legs for routing cable behind the block. Connecting Blocks are available in a 4-pair size and color coded for easy conductor placement.

PART NO.	DESCRIPTION
110WB6A-32PR-L	Category 6A 32-Pair 110 Wiring Block With Mounting Legs
110WB6A-64PR-L	Category 6A 64-Pair 110 Wiring Block With Mounting Leg
110WB6A-192PR-L	Category 6A 192-Pair 110 Wiring Block With Mounting Legs
110CB6-4PR	4-Pair 110 IDC Connecting Blocks, Package of 10

For Wiring Blocks w/o Legs delete -L from P/N.

Category 6 110 Wiring Blocks

Category 6 Wiring Blocks accommodate a range of solid conductor sizes from 22 to 26 AWG 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. Category 6 Connecting Blocks are available in a 4-pair size and color coded for easy conductor placement.

PART NO.	DESCRIPTION
110WB6-48PR-L	Category 6 48-Pair 110 Wiring Block With Mounting Legs
110WB6-96PR-L	Category 6 96-Pair 110 Wiring Block With Mounting Leg
110WB6-288PR-L	Category 6 288-Pair 110 Wiring Block With Mounting Legs
110CB6-4PR	Category 6 4-Pair 110 IDC Connecting Blocks, Package of 10

For Wiring Blocks w/o Legs delete -L from P/N.

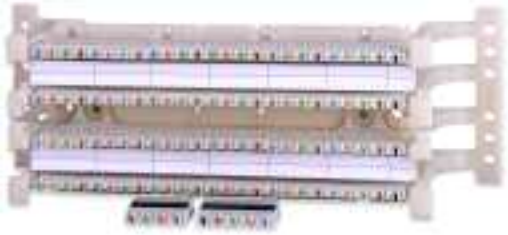
Category 5e 110 Wiring Blocks

Wiring Blocks accommodate a range of solid conductor sizes from 22 to 26 AWG 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. Connecting Blocks 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
110WB-50PR-L	Category 5e 50-Pair 110 Wiring Block With Mounting Legs
110WB-100PR-L	Category 5e 100-Pair 110 Wiring Block With Mounting Legs
110WB-300PR-L	Category 5e 300-Pair 110 Wiring Block With Mounting Legs
110CB-3PR	Category 5e 3-Pair 110 IDC Connecting Block, Package of 10
110CB-4PR	Category 5e 4-Pair 110 IDC Connecting Block, Package of 10
110CB-5PR	Category 5e 5-Pair 110 IDC Connecting Block, Package of 10
110-CAP	2-Pair 110 Stuffer Cap

For Wiring Blocks w/o Legs delete -L from P/N.

110 Wiring Block Kits



Category 6 and 5e 110 Wiring Block Kits

Simplified ordering is facilitated by the use of 110 Wiring Block Kits. 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 label holders.

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

For Wiring Block Kits w/o Legs delete L from P/N.

Wall-Mount 110 Wiring Blocks

Wall-Mount 110 Wiring Block Kits are available in Category 6 and 5e performance levels. The kits are designed for high-density applications and are supplied with all components needed to assemble a fully configured cross-connect field. Each kit includes the mounting frame, bottom cable tray, 3 wiring blocks, 3 cable management troughs, 6 labels/clear holders and the appropriate number of connecting blocks. A Wall-Mount Cable Management Tower is available to organize and manage patch cords.

PART NO.	DESCRIPTION
WBWM6-288PR4	Category 6 288-Pair Wall-Mount Kit, (3) 96-Pair Wiring Blocks (72) 4-Pair Conn. Blocks, 3 Cable Mgmt. Troughs and 6 Label/Clear Holder
WBWM5-300PR5	Category 5e 300-Pair Wall-Mount Kit, (3) 100-Pair Wiring Blocks (60) 5-Pair Conn. Blocks, 3 Cable Mgmt. Troughs and 6 Label/Clear Holder
WBWM5-300PR4	Category 5e 300-Pair Wall-Mount Kit, (3) 100-Pair Wiring Blocks (60) 4-Pair, (12) 5-Pair Conn. Blocks, 3 Cable Mgmt. Troughs and 6 Label/Clear Holder
WMCM-300	Wall-Mount Cable Management Tower

Designation Labeling Sheets for 110 Wiring Blocks

110 wiring blocks 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.

PART NO.	DESCRIPTION
110WB-LS4PR-LC	Label Sheet for 110 Wiring Blocks, 6 x 4 Pairs, 20 50-Pair Labels/Sheet

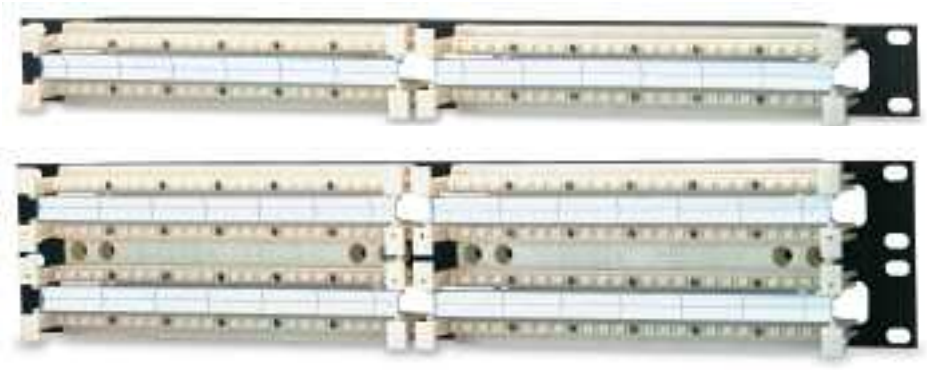
For label colors substitute LC for color in P/N.

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

Labels are available for the following panel P/N’s only;

110WB6-xxxPR	110WB6-xxxPR-L	WBK6-xxx-PRL4	RM6xxxPR	RWBK6-xxxPR4
110WB-xxxPR	110WB-xxxPR-L	WBK-xxx-PRL4	RMxxxPR	RWBK-xxxPR4

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
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
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% performance tested at the factory.

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

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 conductor. 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 conductor. 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

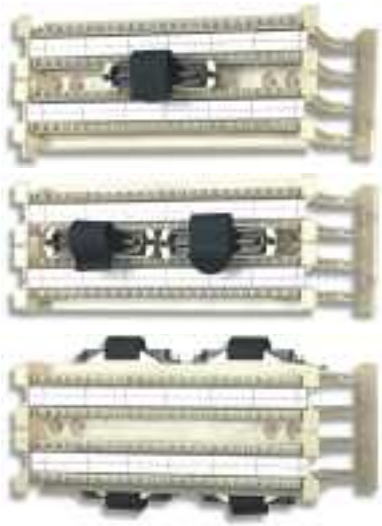
Wall-Mount Wiring Blocks are available in 100- and 300-pair sizes pre-connectorized with 3-, 4-, or 5-pair connecting blocks wired to male or female 50-position Telco connectors. Top or bottom cable entry is available with 3-foot cable stubs as a standard length. Other lengths are available.

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 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 female Telco substitute F for M in P/N.
For other length cable stubs substitute 03 for desired length in feet.

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 also be specified with 3- or 5-pair connecting blocks.

Termination Tools

Signamax multi-pair termination tool is a versatile impact tool designed to terminate twisted-pair cable conductors, cut conductor excess and seat connecting blocks. The tool features 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 Category 6A/6 110 Wiring Blocks
1106-4PRH	4-Pair Replacement Head and Blade for 1106-4PRT Tool
110-4PRT	4-Pair Impact Tool for Category 6/5e 110 Patch Panels
110-4PRH	4-Pair Replacement Head and Blade for 110-4PRT Tool
110-5PRT	5-Pair Impact Tool for Category 5e 110 Wiring Blocks
110-5PRH	5-Pair Replacement Head and Blade for 110-5PRT Tool
T110	1-Position 110 Impact Termination Tool
T110BL	1-Position 110 Termination Blade
T66	1-Position 66 Impact Termination Tool
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

www.signamax.com

Category 6A 10G Patch Cords

Signamax Connectivity Systems category 6A patch cords are designed to meet 10 Gigabit Ethernet IEEE 802.3an transmission requirements, and are guaranteed to support ANSI/TIA-568-C.2 category 6A 100-meter channel performance. Assembled in a controlled environment using advanced manufacturing techniques and 100% transmission tested 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 stranded cable designed for greater flexibility and service life.

Category 6A 10G Patch Cords

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

Category 6A 10G Screened Patch Cords

PART NO.	DESCRIPTION	LENGTH
C6AS-314GY-3FB	Category 6A Screened Patch Cord w/Snag-Proof Boots	3 ft
C6AS-314GY-5FB	Category 6A Screened Patch Cord w/Snag-Proof Boots	5 ft
C6AS-314GY-7FB	Category 6A Screened Patch Cord w/Snag-Proof Boots	7 ft
C6AS-314GY-10FB	Category 6A Screened Patch Cord w/Snag-Proof Boots	10 ft
C6AS-314GY-15FB	Category 6A Screened Patch Cord w/Snag-Proof Boots	15 ft
C6AS-314GY-20FB	Category 6A Screened Patch Cord w/Snag-Proof Boots	20 ft
C6AS-314GY-25FB	Category 6A Screened Patch Cord 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 Cord w/Snag-Proof Boots	3 ft
C6C-114CC-5FB	Category 6 Patch Cord w/Snag-Proof Boots	5 ft
C6C-114CC-7FB	Category 6 Patch Cord w/Snag-Proof Boots	7 ft
C6C-114CC-10FB	Category 6 Patch Cord w/Snag-Proof Boots	10 ft
C6C-114CC-15FB	Category 6 Patch Cord w/Snag-Proof Boots	15 ft
C6C-114CC-20FB	Category 6 Patch Cord w/Snag-Proof Boots	20 ft
C6C-114CC-25FB	Category 6 Patch Cord 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-114BU-7FB
Category 6 Patch Cord with Snag-Proof Boots, Blue, 7 ft.

Category 6 Channel-Level Patch Cords

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

Category 6 Screened Patch Cords

PART NO.	DESCRIPTION	LENGTH
C6CS-314GY-3FB	Category 6 Screened Patch Cord w/Snag-Proof Boots	3 ft
C6CS-314GY-5FB	Category 6 Screened Patch Cord w/Snag-Proof Boots	5 ft
C6CS-314GY-7FB	Category 6 Screened Patch Cord w/Snag-Proof Boots	7 ft
C6CS-314GY-10FB	Category 6 Screened Patch Cord w/Snag-Proof Boots	10 ft
C6CS-314GY-15FB	Category 6 Screened Patch Cord w/Snag-Proof Boots	15 ft
C6CS-314GY-20FB	Category 6 Screened Patch Cord w/Snag-Proof Boots	20 ft
C6CS-314GY-25FB	Category 6 Screened Patch Cord 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 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 Cord w/Snag-Proof Boots	3 ft
C5EC-114CC-5FB	Category 5e Patch Cord w/Snag-Proof Boots	5 ft
C5EC-114CC-7FB	Category 5e Patch Cord w/Snag-Proof Boots	7 ft
C5EC-114CC-10FB	Category 5e Patch Cord w/Snag-Proof Boots	10 ft
C5EC-114CC-15FB	Category 5e Patch Cord w/Snag-Proof Boots	15 ft
C5EC-114CC-20FB	Category 5e Patch Cord w/Snag-Proof Boots	20 ft
C5EC-114CC-25FB	Category 5e Patch Cord 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 Boots, Blue, 7 ft.

Category 5e Channel-Level Patch Cords

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

Category 5e Screened Patch Cords

PART NO.	DESCRIPTION	LENGTH
C5ES-314GY-3FB	Category 5e Screened Patch Cord w/Snag-Proof Boots	3 ft
C5ES-314GY-5FB	Category 5e Screened Patch Cord w/Snag-Proof Boots	5 ft
C5ES-314GY-7FB	Category 5e Screened Patch Cord w/Snag-Proof Boots	7 ft
C5ES-314GY-10FB	Category 5e Screened Patch Cord w/Snag-Proof Boots	10 ft
C5ES-314GY-15FB	Category 5e Screened Patch Cord w/Snag-Proof Boots	15 ft
C5ES-314GY-20FB	Category 5e Screened Patch Cord w/Snag-Proof Boots	20 ft
C5ES-314GY-25FB	Category 5e Screened Patch Cord 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% performance tested at the factory.

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

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 conductors. The plug is 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 conductors. 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

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.

Category 6 and Category 5e Crossover Cords

PART NO.	DESCRIPTION
C6XB-112BK-LFB	CAT6 Crossover Cord w/Black Cable, Yellow Boots
C5EXB-112YE-LFB	CAT5E Crossover Cord w/Yellow Cable, Black Boots

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

Category 5e Crossover Cords

PART NO.	DESCRIPTION
C5EX-112RD-LFB	CAT5E Crossover Cord w/Red Cable, No Boots

For length substitute L for length in P/N
3=3 ft 5=5 ft 7=7 ft 10=10 ft 14=14 ft 25=25 ft

Modular Plugs & Strain Relief Boots

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 and sold in packages of 100. 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
KRJ45/5E-100	CAT5E Compatible 8P8C Modular Plug for 24-AWG Unscreened Stranded Cable
KRJ45/5SH-100	CAT5E Compatible 8P8C Modular Plug for 24-26 AWG Screened Stranded Cable
KRJ45/5-100	CAT5E Compatible 8P8C Modular Plug for 24-AWG Unscreened Stranded Cable
KRJ45/5SLD-100	CAT5E Compatible 8P8C Modular Plug for 24-AWG Unscreened Solid Cable
KRJ12-C5/100	Voice-Grade 6P6C Modular Plug for 24-AWG Unscreened Stranded Cable
KRJ11-C5/100	Voice-Grade 6P4C Modular Plug for 24-AWG Unscreened Stranded Cable
KRJ12SLD-100	Voice-Grade 6P6C Modular Plug for 24-AWG Unscreened Solid Cable
KRJ45/100	Voice-Grade 8P8C Modular Plug for 28-AWG Flat Cable
KRJ12/100	Voice-Grade 6P6C Modular Plug for 28-AWG Flat Cable
KRJ11/100	Voice-Grade 6P4C Modular Plug for 28-AWG Flat Cable
S45SP-BC/100	Snag-Proof Strain Relief Boots, Package of 100

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

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

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

Compression Connectors

Compression connectors provide the ideal solution for audio/video applications requiring the highest performance and reliability. Connectors are available in a variety of types that include F-type, BNC and 360° compression on the cable. The radial design reduces the possibility of an inpedance problem and can defeat ingress/egress at the connector. An internal “O” sealing ring prevents moisture, while the large ferrule surface insures proper RF digital interface.

F-Type Compression Connector

PART NO.	DESCRIPTION
CC-F06N	F-Type Compression Connector for RG6 & RG6 Quad Shield Cable, Nickel
CC-F59N	F-Type Compression Connector for RG59 & RG59 Quad Shield Cable, Nickel
CC-F06G	F-Type Compression Connector for RG6 & RG6 Quad Shield Cable, Gold
CC-F59G	F-Type Compression Connector for RG59 & RG59 Quad Cable, Glod

BNC Compression Connector

PART NO.	DESCRIPTION
CC-BNC06N	BNC Compression Connector for RG6 & RG6 Quad Shield Cable, Nickel
CC-BNC59N	BNC Compression Connector for RG59 & RG59 Quad Shield Cable, Nickel
CC-BNC06G	BNC Compression Connector for RG6 & RG6 Quad Shield Cable, Gold
CC-BNC59G	BNC Compression Connector for RG59 & RG59 Quad Shield Cable, Glod

RCA Compression Connector

PART NO.	DESCRIPTION
CC-RCA06N	RCA Compression Connector for RG6 & RG6 Quad Shield Cable, Nickel
CC-RCA59N	RCA Compression Connector for RG59 & RG59 Quad Shield Cable, Nickel
CC-RCA06G	RCA Compression Connector for RG6 & RG6 Quad Shield Cable, Gold
CC-RCA59G	RCA Compression Connector for RG59 & RG59 Quad Shield Cable, Glod

Coax Cable Stripping Tool

The CST Cable Stripping Tool provides a fast, reliable means to prepare cable for termination. The tools cable stops create a precise 1/4”-1/4” cable preparation. The CST tool includes two extra blade cartridges.

PART NO.	DESCRIPTION
CST-596	Coax Cable Stripping Tool for RG59 and RG6

Compression Tool

The CFT Compression Tool terminates F-Type, BNC and RCA connectors. The tool design provides a self-adjusting, light-weight, one-step functionality creating a true 360° compression. The tool is supplied with interchangeable tips allowing compression of a variety of connectors.

PART NO.	DESCRIPTION
CFT-LC1	Compression Tool for F-Type, BNC and RCA connectors

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
Industrial Plug-to-Industrial Plug	
C6-116IG-LFB	Category 6 Industrial Plug-to-Industrial Plug
Industrial Plug-to-RJ-45	
C6-117IG-LFB	Category 6 Industrial Plug-to-RJ-45

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 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
Industrial Plug-to-Industrial Plug	
C5E-116IG-LFB	Category 5e Industrial Plug-to-Industrial Plug
Industrial Plug-to-RJ-45	
C5E-117IG-LFB	Category 5e Industrial Plug-to-RJ-45

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

Category 5e Field-Installable Industrial-Grade Plug Assemblies

Category 5e Industrial-Grade Plug Assemblies are available in an unscreened and screened versions. These field-installable connectors are supplied with an 8P8C plug, industrial housing and a protective cap. Plugs are easily assembled in the field and accommodate 24- to 26-AWG stranded conductors.

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

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 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	M9 = Male 90° Exit	M9 = Male 90° Exit	001 - 999	F = Feet
	P = Plenum	F9 = Female 90° Exit	F9 = Female 90° Exit		M = Meters
		M1 = Male 110° Exit	M1 = Male 110° Exit		
		F1 = Female 110° Exit	F1 = Female 110° Exit		
		M8 = Male 180° Exit	M8 = Male 180° Exit		
		F8 = Female 180° Exit	F8 = Female 180° Exit		
			B = Blunt Cut		

Part Number Example: C525-P-F1-F1-025F
25-Pair Cable Assembly, CMP-Rated Cable, Female 110° Exit to Female 110° Exit, 25 Feet

Category 3 25-Pair Cable Assemblies

Assemblies are constructed using category 3 compliant cable in both riser 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	M9 = Male 90° Exit	M9 = Male 90° Exit	001 - 999	F = Feet
	P = Plenum	F9 = Female 90° Exit	F9 = Female 90° Exit		M = Meters
		M8 = Male 180° Exit	M8 = Male 180° Exit		
		F8 = Female 180° Exit	F8 = Female 180° Exit		
			B = Blunt End		

Part Number Example: C325-R-M9-F9-025F
25-Pair Cable Assembly, CMR 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 and screened 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-Treminated Trunk Assemblies

PART NO.	DESCRIPTION
6L-C6A-JJ-P-FXXX	Category 6A 10G 6-Leg Trunk Cable, Jack-to-Jack, Unscreened U/UTP Cable, CMP
6L-C6A-JB-P-FXXX	Category 6A 10G 6-Leg Trunk Cable, Jack-to-Open, Unscreened U/UTP Cable, CMP
6L-C6AS-JJ-P-FXXX	Category 6A 10G 6-Leg Trunk Cable, Jack-to-Jack, Screened F/UTP Cable, CMP
6L-C6AS-JB-P-FXXX	Category 6A 10G 6-Leg Trunk Cable, Jack-to-Open, Screened F/UTP 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 U/UTP Cable, CMP
6L-C6-JP-P-FXXX	Category 6 6-Leg Trunk Cable, Jack-to-Plug, Unscreened U/UTP Cable, CMP
6L-C6-JB-P-FXXX	Category 6 6-Leg Trunk Cable, Jack-to-Open, Unscreened U/UTP Cable, CMP
6L-C6S-JJ-P-FXXX	Category 6 6-Leg Trunk Cable, Jack-to-Jack, Screened F/UTP Cable, CMP
6L-C6S-JB-P-FXXX	Category 6 6-Leg Trunk Cable, Jack-to-Open, Screened F/UTP 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 U/UTP Cable, CMP
6L-C5E-JP-P-FXXX	Category 5e 6-Leg Trunk Cable, Jack-to-Plug, Unscreened U/UTP Cable, CMP
6L-C5E-JB-P-FXXX	Category 5e 6-Leg Trunk Cable, Jack-to-Open, Unscreened U/UTP Cable, CMP
6L-C5ES-JJ-P-FXXX	Category 5e 6-Leg Trunk Cable, Jack-to-Jack, Screened F/UTP Cable, CMP
6L-C5ES-JB-P-FXXX	Category 5e 6-Leg Trunk Cable, Jack-to-Open, Screened F/UTP Cable, CMP

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

Cable

Category 6A Cable

Signamax solid conductor twisted-pair cable is ETL-verified to ANSI/TIA-568-C.2 for category 6A cable specifications, 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 U/UTP Cable, CMP
BC6A-4CC	Category 6A, 4-Pair, 23-AWG Solid Unscreened U/UTP Cable, CMR (PVC)
BC6AM-4CC	Category 6A, 4-Pair, 23-AWG Solid Unscreened U/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 (CMP) and riser (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 U/UTP Cable, CMP
BC6-4CC	Category 6, 4-Pair, 23-AWG Solid Unscreened U/UTP Cable, CMR (PVC)
BC6M-4CC	Category 6, 4-Pair, 23-AWG Solid Unscreened U/UTP Cable, CM (PVC)
BC6-4SH	Category 6, 4-Pair, 23-AWG Solid Screened F/UTP 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 (CMP) and riser (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 U/UTP Cable, CMP
BC5E-4CC	Category 5e, 4-Pair, 24-AWG Solid Unscreened U/UTP Cable, CMR (PVC)
BC5EM-4CC	Category 5e, 4-Pair, 24-AWG Solid Unscreened U/UTP Cable, CM (PVC)
BC5E-4SH	Category 5e, 4-Pair, 24-AWG Solid Screened F/UTP 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

SYSTEMS

Premium Rack-Mount Optical Fiber Enclosures

Optical fiber enclosures provide cross- and interconnections in IT cabling systems between optical fiber distribution cables, connecting hardware and active equipment, and for mechanical protection of such connections. Termination density of Signamax Premium Rack-Mount Optical Fiber Enclosures ranges between 6 and 288 fiber connections depending on the enclosure size (1, 2, 3, or 4 RMS), number of adapter plates installed (3, 6, 9, or 12), and types of 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, FC, SC, LC, and MT-RJ adapter plates, which can be arranged in 3- to 12-plate 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.

Lightweight aluminum case (three-adapter-plate version has steel case) with increased depth (16 in) and high-impact black epoxy-powder anticorrosive paint provide excellent protection for optical fiber connections. Optional stackable plastic optical fiber splice 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. Adapter plates and splice cassettes are ordered separately.

18- to 72-Fiber Premium Rack-Mount Optical Fiber Enclosure

PART NO.	DESCRIPTION
UFE3HD1-B	18- to 72-Fiber Enclosure w/Locking Slide-Out Support Stage. Accepts 3 Adapter Plates and 2 FST-24P or FST-36P Splice Trays. Dimensions: 1.75"H x 19"W x 16"D. Material: Black Powder Coated Steel.

36- to 144-Fiber Premium Rack-Mount Optical Fiber Enclosure

PART NO.	DESCRIPTION
UFE6HD1-B	36- to 144-Fiber Enclosure w/Locking Slide-Out Support Stage. Accepts 6 Adapter Plates and 4 FST-24P or FST-36P Splice Trays. Dimensions: 3.50"H x 19"W x 16"D Material: Black Powder Coated Aluminum.

Premium Rack-Mount Optical Fiber Enclosures

54- to 216-Fiber Premium Rack-Mount Optical Fiber Enclosure

PART NO.	DESCRIPTION
UFE9HD1-B	54- to 216-Fiber Enclosure w/Locking Slide-Out Support Stage. Accepts 9 Adapter Plates and 6 FST-24P or FST-36P Splice Trays. Dimensions: 5.35”H x 19”W x 16”D. Material: Black Powder Coated Aluminum.

72- to 288-Fiber Premium Rack-Mount Optical Fiber Enclosure

PART NO.	DESCRIPTION
UFE12HD1-B	72- to 288-Fiber Enclosure w/Locking Slide-Out Support Stage. Accepts 12 Adapter Plates and 8 FST-24P or FST-36P Splice Trays. Dimensions: 7.00”H x 19”W x 16”D. Material: Black Powder Coated Aluminum.

General-Purpose Rack-Mount Optical Fiber Enclosures

Optical fiber enclosures provide cross- and interconnections in IT cabling systems between optical fiber distribution cables, connecting hardware and active equipment, and for mechanical protection of such connections. Termination density of Signamax General-Purpose Rack-Mount Optical Fiber Enclosures ranges between 6 and 288 fiber connections depending on the enclosure size (1, 2, 3, or 4 RMS), number of adapter plates installed (3, 6, 9, or 12), and types of 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, FC, SC, LC, and MT-RJ adapter plates, which can be arranged in 3- to 12-plate 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 plastic edge protectors preventing optical fiber cable from kinks that sharp edges of the enclosure case may cause.

Sixteen-gage steel case and high-impact black epoxy-powder anticorrosive paint provide excellent protection for optical fiber connections. Optional aluminum optical fiber splice trays 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. Adapter plates and splice trays are ordered separately.

18- to 72-Fiber General-Purpose Rack-Mount Optical Fiber Enclosure

PART NO.	DESCRIPTION
UFE3HD-B	18- to 72-Fiber Enclosure w/Slide-Out Support Stage. Accepts 3 Adapter Plates and 1 FST-24A Splice Tray. Dimensions: 1.75"H x 19"W x 14"D. Material: Black Powder Coated Steel

36- to 144-Fiber General-Purpose Rack-Mount Optical Fiber Enclosure

PART NO.	DESCRIPTION
UFE6HD-B	36- to 144-Fiber Enclosure w/Slide-Out Support Stage. Accepts 6 Adapter Plates and 3 FST-24A Splice Trays. Dimensions: 3.50"H x 19"W x 14"D. Material: Black Powder Coated Steel

General-Purpose Rack-Mount Optical Fiber Enclosures

54- to 216-Fiber General-Purpose Rack-Mount Optical Fiber Enclosure

PART NO.	DESCRIPTION
UFE9HD-B	54- to 216-Fiber Enclosure w/Slide-Out Support Stage. Accepts 9 Adapter Plates and 5 FST-24A Splice Trays. Dimensions: 5.35”H x 19”W x 14”D. Material: Black Powder Coated Steel

72- to 288-Fiber General-Purpose Rack-Mount Optical Fiber Enclosure

PART NO.	DESCRIPTION
UFE12HD-B	72- to 288-Fiber Enclosure w/Slide-Out Support Stage. Accepts 12 Adapter Plates and 8 FST-24A Splice Trays. Dimensions: 7.00”H x 19”W x 14”D. Material: Black Powder Coated Steel

Pre-Configured Rack-Mount Optical Fiber Enclosures

Pre-configured optical fiber enclosures can provide a number of convenient features including but not limited to field-assembly labor cost savings, compliance with the standard requirements (e.g., fiber bend radii and tension), etc. Signamax pre-configured optical fiber enclosures can be ordered as a complete set, which includes maximum available number of components in various configurations, or as a start-up kit with some basic suit of connecting hardware with a view to expanding it in the future. The part number configurator provided helps to make the right choice of enclosure and its components.

Pre-Configured Rack-Mount Optical Fiber Enclosures

ENCLOSURES				ADAPTERS					SPLICE TRAYS		PIGTAILS
TYPE	ADAPTER PLATE COUNT	SERIES	CONNECTIVITY TYPE	ADAPTER TYPE	SX-DX-QX	ADAPTER COUNT[1]	POLISH TYPE	FIBER TYPE	SPLICE TRAY TYPE[2]	SPLICE TRAY COUNT[2]	
UFE	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
	3 = 3-Adapter Plates	HD = General Purpose	P = Adapter Plates	2 = ST	S = Simplex	6 = 6 Adapters	P = PC	1 = OM1	C = FST-24A	1 - 8	0 - 288
	6 = 6-Adapter Plates	HD1 = Premium	C = MTP Cassette	4 = SC	D = Duplex	8 = 8 Adapters	U = UPC	2 = OM2	D = FST-24P		
	9 = 9-Adapter Plates			5 - FC	Q = Quad	12 = 12 Adapters	A = APC	3 = OM3	E = FST-36P		
	12 = 12-Adapter Plates			8 = LC				4 = OM4			
								S = SM			

1. Adapter count depends on the adapter type slected:
   - ST: 6, 8, 12
   - FC: 6, 8, 12
   - SC Simplex: 6, 8
   - SC Duplex: 6
   - LC Duplex: 6, 8
   - LC Quad: 6

2. Splice tray type and count depend on the enclosure design slected:

UFE3HD-X	Type C (FST-24A); 1 maxumum	UFE3HD1-X	Type E or D (FST-24P or 36P): 2 maximum
UFE6HD-X	Type C (FST-24A); 3 maxumum	UFE6HD1-X	Type E or D (FST-24P or 36P): 4 maximum
UFE9HD-X	Type C (FST-24A); 5 maxumum	UFE9HD1-X	Type E or D (FST-24P or 36P): 6 maximum
UFE12HD-X	Type C (FST-24A); 8 maxumum	UFE12HD1-X	Type E or D (FST-24P or 36P): 8 maximum

Part Number Example: **UFE9HD1-BP9Q06ASE6144**
Premium optical fiber enclosure, 9 SM APC LC quad 6-adapter plates (216-fiber), 6 36-fiber splice trays, 144 SM APC LC pigtails.

For Enclosures See Page D1 - D4

For Adapter Platec See Page D13 - D14

For Splice Trays See Page D12

For Pigtail Kits See Page D22

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 at 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 enclosure's 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-, FC-, SC-, LC- and MT-RJ-adapter plates, which can be arranged in 4- to 12-plate 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 FST-24P 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 FST-24P Splice Trays, Dimensions: 14"H x 19"W x 14"D

Rack-Mount Optical Fiber Splice Enclosures

Optical fiber splice enclosures are inexpendable 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's major functions.

Rack mount optical fiber splice enclosure's 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 FST-24P 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 FST-24P Splice Trays (Includes one FST-24P splice tray). Dimensions: 7"H x 19"W x 14"D

Rack-Mount Slide-Out Optical Fiber Enclosures

Signamax rack mount slide-out enclosures provide 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-, FC-, SC-, MT-RJ- and LC- interfaces. Modular design of Signamax optical fiber adapter plates allows creating flexible connection patterns based on 6-, 8-, 12-, 16-, and 24-fiber ST-, FC-, SC-, LC- and MT-RJ-adapter plates, which can be arranged in 2- and 3-plate 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 72-Fiber Rack-Mount Slide-Out Optical Fiber Enclosures

PART NO.	DESCRIPTION
SL2M-B	12- to 48-Fiber Rack-Mount Optical Fiber Enclosure, Accepts 2 Adapter Plates and 2 FST-2M-B Splice Trays. Dimensions: 1.75”H x 19”W x 14”D
SL3M-B	18- to 72-Fiber Rack-Mount Optical Fiber Enclosure, Accepts 3 Adapter Plates and 2 FST-2M-B Splice Trays.Dimensions: 1.75”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 or 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's major functions. Signamax wall-mount optical fiber enclosure's termination density ranges between 6 and 96 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-, FC-, SC- and LC-adapter plates, which can be arranged in 2- and 4-plate 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 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 Optical Fiber Panels

Signamax offers a range of economy, high-density optical fiber patch panels accepting variety of our optical fiber adapter plates. These rack-mount panels are available in 3- and 6-adapter-plate sizes (1 or 2 RMS) 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 and can be supplied unloaded for field configuration or pre-loaded with adapters.

Rack-Mount Optical Fiber Panels

PART NO.	DESCRIPTION
RMF3-B	18- to 72-Fiber Rack-Mount Optical Fiber Panel, Accepts 3 Adapter Plates, 1.75”H
RMF6-B	36- to 144-Fiber Rack-Mount Optical Fiber Panel, Accepts 6 Adapter Plates, 3.50”H

Pre-Configured Optical Fiber Panels

PART NO.	DESCRIPTION
ST Optical Fiber Panels	
16HDST-FT	16-Fiber ST MM Optical Fiber Panel, 1.75” High
24HDST-FT	24-Fiber ST MM Optical Fiber Panel, 1.75” High
36HDST-FT	36-Fiber ST MM Optical Fiber Panel, 1.75” High
48HDST-FT	48-Fiber ST MM Optical Fiber Panel, 3.50” High
72HDST-FT	72-Fiber ST MM Optical Fiber Panel, 3.50” High
SC Optical Fiber Panels	
16HDSC-FT	16-Fiber (16-Simplex) SC MM Optical Fiber Panel, 1.75” High
24HDSC-FT	24-Fiber (24-Simplex) SC MM Optical Fiber Panel, 1.75” High
36HDSC-FT	36-Fiber (18-Duplex) SC MM Optical Fiber Panel, 1.75” High
48HDSC-FT	48-Fiber (48-Simplex) SC MM Optical Fiber Panel, 3.50” High
72HDSC-FT	72-Fiber (36-Duplex) SC MM Optical Fiber Panel, 3.50” High
LC Optical Fiber Panels	
36HDLC-FT	36-Fiber (18-Duplex) LC MM Optical Fiber Panel, 1.75” High
48HDLC-FT	48-Fiber (24-Duplex) LC MM Optical Fiber Panel, 1.75” High
72HDLC-FT	72-Fiber (18-Quad) LC MM Optical Fiber Panel, 1.75” High
96HDLC-FT	96-Fiber (48-Duplex) LC MM Optical Fiber Panel, 3.50” High
144HDLC-FT	144-Fiber (36-Quad) LC MM Optical Fiber Panel, 3.50” High

For singlemode adapters add -C to P/N. For multimode 10G LOF adapters add -G to P/N

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- and 36-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 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)

12A Fiber Splice Tray

PART NO.	DESCRIPTION
FST-12A	Aluminum Splice Tray. Stores Up To 12 Fusion, 8 Mechanical, or 4 Mass Fusion Splices.

See Splice Tray Guide below for use with Enclosure type.

24A Fiber Splice Tray

PART NO.	DESCRIPTION
FST-24A	Aluminum Splice Tray. Stores Up To 24 Fusion, 16 Mechanical, or 8 Mass Fusion Splices.

See Splice Tray Guide below for use with Enclosure type.

24P Plastic Fiber Splice Tray

PART NO.	DESCRIPTION
FST-24P	Plastic Splice Tray. Stores Up To 24 Fusion, 16 Mechanical, or 8 Mass Fusion Splices.

See Splice Tray Guide below for use with Enclosure type.

36P Plastic Fiber Splice Tray

PART NO.	DESCRIPTION
FST-36P	Plastic Splice Tray. Stores Up To 36 Fusion, 24 Mechanical, or 12 Mass Fusion Splices.

See Splice Tray Guide below for use with Enclosure type.

Fiber Splice Tray Guide

OF Enclosure Type		FST-2M-B	FST-12A	FST-24A	FST-24P	FST-36P
Preminum Enclosures	(Page D1)				X	X
General-Purpose Enclosures	(Page D3)		X	X		
Distribution Enclosures	(Page D7)				X	
Splice Enclosures	(Page D8)				X	
Slide-Out Enclosures	(Page D11)	X				
Wall-Mount Enclosures	(Page D9)		X			

Optical Fiber Adapter Plates

Specify optical fiber adapter plates for ST-, FC-, 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-adapter plates can be equipped with 62.5-µm and 50-µm 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

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

FC Adapter Plates

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

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

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

MTP Adapter Plates

PART NO.	DESCRIPTION
UFE-B-06MTP	6-Port MTP Adapter Plate, Black
UFE-B-08MTP	8-Port MTP Adapter Plate, Black

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 MMAdapter 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-06LCA-C	12-Fiber (6-Duplex) LC APC SM Adapter Plate, Green Adapters
UFE-B-08LCA-C	16-Fiber (8-Duplex) LC APC SM Adapter Plate, Green Adapters
UFE-B-12LCA-C	24-Fiber (6-Quad) LC APC SM Adapter Plate, Green Adapters

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

SC 10G LOF 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

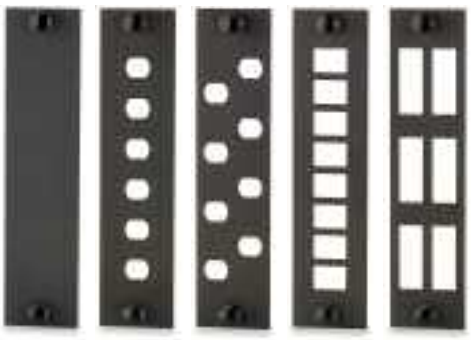
LC 10G LOF Adapter Plates

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

Blank Plate

PART NO.	DESCRIPTION
UFE-B-BL	Blank Filler 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
UFE-B-06FC-B	6-FC Adapter Plate, No Adapters
UFE-B-08FC-B	8-FC Adapter Plate, No Adapters
UFE-B-12FC-B	12-FC Adapter Plate, No Adapters
UFE-B-06SC-B	6-Simplex-SC or 6-Duplex-LC Adapter Plate, No Adapters
UFE-B-08SC-B	8-Simplex-SC or 8-Duplex-LC Adapter Plate, No Adapters
UFE-B-12SC-B	6-Duplex-SC or 6-Quad-LC Adapter Plates, No Adapters
UFE-B-06MTRJ-B	6-MT-RJ Adapter Plate, No Adapters
UFE-B-08MTRJ-B	8-MT-RJ Adapter Plate, No Adapters



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-µm multimode adapters are beige in color, 50-µm multimode OM3 and OM4 - aqua, singlemode PC and UPC - blue, singlemode APC - green.

ST Fiber Adapters

PART NO.	DESCRIPTION
FA-ST-SX-PB-NF-RD	ST MM Adapter, Phosphor Bronze Sleeve, Red Cap
FA-ST-SX-ZR-NF-YE	ST SM Adapter, Zirconia Ceramic Sleeve, Yellow Cap

SC Fiber Adapters

PART NO.	DESCRIPTION
FA-SC-SX-PB-MF-BE	SC SX MM Adapter w/Flange, Phosphor Bronze Sleeve, Beige
FA-SC-SX-ZR-MF-AQ	SC SX MM Adapter w/Flange, Zirconia Ceramic Sleeve, Aqua
FA-SC-SX-ZR-MF-BU	SC SX SM Adapter w/Flange, Zirconia Ceramic Sleeve, Blue
FA-SC-SX-ZR-MF-GN	SC SX SM APC Adapter w/Flange, Zirconia Ceramic Sleeve, Green
FA-SC-DX-PB-MF-BE	SC DX MM Adapter w/Flange, Phosphor Bronze Sleeve, Beige
FA-SC-DX-ZR-MF-AQ	SC DX MM Adapter w/Flange, Zirconia Ceramic Sleeve, Aqua
FA-SC-DX-ZR-MF-BU	SC DX SM Adapter w/Flange, Zirconia Ceramic Sleeve, Blue
FA-SC-DX-ZR-MF-GN	SC DX SM APC Adapter w/Flange, Zirconia Ceramic Sleeve, Green

For adapters without flanges substitute NF for MF in P/N.

LC Fiber Adapters

PART NO.	DESCRIPTION
FA-LC-DX-PB-MF-BE	LC DX MM Adapter w/Flange, Phosphor Bronze Sleeve, Beige
FA-LC-DX-ZR-MF-AQ	LC DX MM Adapter w/Flange, Zirconia Ceramic Sleeve, Aqua
FA-LC-DX-ZR-MF-BU	LC DX SM Adapter w/Flange, Zirconia Ceramic Sleeve, Blue
FA-LC-DX-ZR-MF-GN	LC DX SM APC Adapter w/Flange, Zirconia Ceramic Sleeve, Green
FA-LC-QX-PB-MF-BE	LC QX MM Adapter w/Flange, Phosphor Bronze Sleeve, Beige
FA-LC-QX-ZR-MF-AQ	LC QX MM Adapter w/Flange, Zirconia Ceramic Sleeve, Aqua
FA-LC-QX-ZR-MF-BU	LC QX SM Adapter w/Flange, Zirconia Ceramic Sleeve, Blue
FA-LC-QX-ZR-MF-GN	LC QX SM APC Adapter w/Flange, Zirconia Ceramic Sleeve, Green

For adapters without flanges substitute NF for MF in P/N.

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 µm, 50 µm laser-optimized (LO), and 62.5 µm) 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- and 2-mm jacketed, 250-µm and 900-µm buffered fibers.

ST Pre-Polished Optical Fiber Connectors

PART NO.	FIBER TYPE	HOUSING COLOR	CABLE SIZE
FPC-ST06	MM 62.5-µm	Beige	250-µm, 900-µm
FPC-ST05	MM 50-µm	Black	250-µm, 900-µm
FPC-ST51	MM 50-µm LO	Aqua	250-µm, 900-µm
FPC-ST09	SM	Blue	250-µm, 900-µm

SC Pre-Polished Optical Fiber Connectors

PART NO.	FIBER TYPE	HOUSING COLOR	CABLE SIZE
FPC-SC06	MM 62.5-µm	Beige	2-mm, 3-mm, 250-µm, 900-µm
FPC-SC05	MM 50-µm	Black	2-mm, 3-mm, 250-µm, 900-µm
FPC-SC51	MM 50-µm LO	Aqua	2-mm, 3-mm, 250-µm, 900-µm
FPC-SC09	SM	Blue	2-mm, 3-mm, 250-µm, 900-µm

LC Pre-Polished Optical Fiber Connectors

PART NO.	FIBER TYPE	HOUSING COLOR	CABLE SIZE
FPC-LC06	MM 62.5-µm	Beige	2-mm, 3-mm, 250-µm, 900-µm
FPC-LC05	MM 50-µm	Black	2-mm, 3-mm, 250-µm, 900-µm
FPC-LC51	MM 50-µm LO	Aqua	2-mm, 3-mm, 250-µm, 900-µm
FPC-LC09	SM	Blue	2-mm, 3-mm, 250-µm, 900-µm

Optical Fiber Panels

High-Density 1-RMS Optical Fiber Panels

High-Density 1-RMS Optical Panels are available in 48- and 96-fiber sizes pre-loaded with SC or LC adapters. These high-density panels are equiped with a cable management bar when there is a need to provide support for bulky cables and/or maintain required cable bend radii. This panel is available unloaded for field configuration.

PART NO.	DESCRIPTION
48HD1SC-FT	48-Fiber (48-Simplex) High-Density SC MM Optical Fiber Panel, 1.75”H
48HD1SCS-FT	48-Fiber (48-Simplex) High-Density SC SM Optical Fiber Panel, 1.75”H
48HD1SCA-FT	48-Fiber (48-Simplex) High-Density SC APC SM Optical Fiber Panel, 1.75”H
48HD1SCG-FT	48-Fiber (48-Simplex) High-Density SC 10G LO MM Optical Fiber Panel, 1.75”H
48HD1LC-FT	96-Fiber (48-Duplex) High-Density LC MM Optical Fiber Panel, 1.75”H
48HD1LCS-FT	96-Fiber (48-Duplex) High-Density LC SM Optical Fiber Panel, 1.75”H
48HD1LCA-FT	96-Fiber (48-Duplex) High-Density LC APC SM Optical Fiber Panel, 1.75”H
48HD1LCG-FT	96-Fiber (48-Duplex) High-Density LC 10G LO MM Optical Fiber Panel, 1.75”H
48U-HDMMP-1R	48-Port High-Density Field-Configurable Panel, 1.75”H (Accepts SC and LC only)

High-Density Optical Fiber Panels

Signamax offers a range of high-density optical fiber patch panels for ST, FC, SC, and LC connections. These rack-mount panels are available in 24- and 48-port (24-, 48- and 96-fiber) sizes based on standard Optical Fiber Connector Modules.These high-density panels are equiped with a cable management bar when there is a need to provide support for bulky cables and/or maintain required cable bend radii.

PART NO.	DESCRIPTION
24HDFAT-FT	24-Port High-Density Optical Fiber Panel, 1.75”H
48HDFAT-FT	48-Port High-Density Optical Fiber Panel, 3.50”H

For fiber adapter type substitute FAT in P/N

ST (ST MM)	**STS** (ST SM)	**FC** (FC MM)	**FCS** (FC SM)
SC (SC MM)	**SCS** (SC SM)	**SCA** (SC APC SM)	**SCG** (SC 10G MM LOF)
LC (LC MM)	**LCS** (LC SM)	**LCA** (LC APC SM)	**LCG** (LC 10G MM LOF)

Optical Fiber Panels

Optical Fiber Panels

Signamax offers a range of economy optical fiber patch panels for ST, FC, SC, and LC connections. These rack-mount panels are available in 12- thru 48-port (12- thru 96-fiber) sizes based on standard Optical Fiber Connector Modules and are ideal where extra access space to the connections is required.

PART NO.	DESCRIPTION
12FAT-FT	12-Port Optical Fiber Panel, 1.75” High
16FAT-FT	16-Port Optical Fiber Panel, 1.75” High
24FAT-FT	24-Port Optical Fiber Panel, 3.50” High
32FAT-FT	32-Port Optical Fiber Panel, 3.50” High
48FAT-FT	48-Port Optical Fiber Panel, 5.25” High

For fiber adapter type substitute FAT in P/N

ST (ST MM)	**STS** (ST SM)	**FC** (FC MM)	**FCS** (FC SM)
SC (SC MM)	**SCS** (SC SM)	**SCA** (SC APC SM)	**SCG** (SC 10G MM LOF)
LC (LC MM)	**LCS** (LC SM)	**LCA** (LC APC SM)	**LCG** (LC 10G MM LOF)

Field-Configurable Panels

Field-Configurable Panels are available in 12- thru 48-port sizes. Panels provide the ability to field configure ports and support all Optical Fiber Connector Modules.

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

Optical Fiber Connector Modules

PART NO.	DESCRIPTION
CMK-ST-BK	ST MM Keystone Connector Module
CMK-STS-BK	ST SM Keystone Connector Module
CMK-FC-BK	FC MM Keystone Connector Module
CMK-FCS-BK	FC SM Keystone Connector Module
CMK-SC-BK	SC Simplex MM Keystone Connector Module
CMK-SCS-BK	SC Simplex SM Keystone Connector Module
CMK-SCA-BK	SC Simplex APC SM Keystone Connector Module
CMK-SCG-BK	SC Simplex 10G LO MM Keystone Connector Module
CMK-LC-BK	LC Duplex MM Keystone Connector Module
CMK-LCS-BK	LC Duplex SM Keystone Connector Module
CMK-LCA-BK	LC Duplex APC SM Keystone Connector Module
CMK-LCG-BK	LC Duplex 10G LO MM Keystone Connector Module

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 riser-rated (OFNR) 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-µm and 50-µm, in duplex and simplex designs.

Cordage used in multimode fiber cords is color-coded per ANSI/TIA-598-C – 62.5-µm and 50-µm multimode cables are orange in color. Connectors with plastic bodies (SC and LC) are color-coded – 62.5-µm and 50-µm 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-µm Optical Fiber Patch Cords

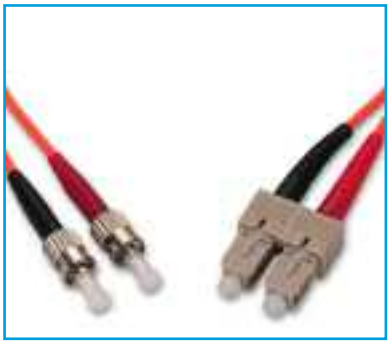
PART NO.	DESCRIPTION
FC-2/2-LM	ST-to-ST Duplex Multimode Fiber Patch Cord
FC-4/4-LM	SC-to-SC Duplex Multimode Fiber Patch Cord
FC-4/2-LM	SC-to-ST Duplex Multimode Fiber Patch Cord
FC-9/9-LM	LC-to-LC Duplex Multimode Fiber Patch Cord
FC-9/2-LM	LC-to-ST Duplex Multimode Fiber Patch Cord
FC-9/4-LM	LC-to-SC 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 mm. All other connectors cable diameter is 2 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 ≤ –30 dB



Multimode 50-µm 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 mm. All other connectors cable diameter is 2 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: ≤ –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 µm	R = Riser	1 = 2 MM		2 = ST		2 = ST		001 - 999	F = Feet
		S = Simplex	5 = MM 50 µm	P = Plenum	3 = 3 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-µm, 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 riser-rated (OFNR) 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.	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 mm. All other connectors cable diameter is 2 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	9 = SM	R = Riser	1 = 2 MM		2 = ST/UPC		2 = ST/UPC		001 - 999	F = Feet
		S = Simplex		P = Plenum	3 = 3 MM		4 = SC/UPC		4 = SC/UPC			M = Meters
							4A = SC/APC		4A = SC/APC			
							5 = FC/UPC		5 = FC/UPC			
							5A = FC/APC		5A = FC/APC			
							9 = LC/UPC		9 = LC/UPC			
							9A = LC/APC		9A = LC/APC			
							8 = MT-RJ		8 = MT-RJ			

Part Number Example: FC-D9R1-9A-9A-015M
Fiber patch cord, duplex, singlemode, riser-rated, 2-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 riser-rated (OFNR) 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. 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-µm 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 mm. All other connectors cable diameter is 2 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: ≤ –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	51 = MM 50 µm 10G LO	R = Riser	1 = 2 MM		4 = SC	4 = SC		001 - 999	F = Feet
		S = Simplex		P = Plenum	3 = 3 MM		9 = LC	9 = LC			M = Meters

Part Number Example: FC-D51P1-9-9-010M
Fiber patch cord, duplex, multimode 50/125-µm, 10G LO, plenum-rated, 2-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 µm), 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-µm buffered white cable are available in multimode (62.5-µm OM1 and 50-µm OM2, OM3 and OM4) and singlemode, simplex and multistrand, ST, SC, and LC versions.

Single-Fiber Pigtails

DESCRIPTION	PART NO.	PART NO.	PART NO	PART NO.
	62.5-µm MM	50-µm MM	SM	50-µm 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: ≤ –30 dB
UPC: ≤ –50 dB
APC: ≤ –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 µm		2 = ST		001 - 999		F = Feet
		5 = MM 50 µm		4 = SC				M = Meters
		51 = MM 50 µm 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		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-µm MM**	**50-µm MM**	**SM**	**50-µm 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	FP6-5-9-003M	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) 50-µm MM (OM3/OM4) (12)SC-to-(1)MTP(M)
FCM-12LC-51M	12-Fiber (6-Duplex) 50-µm MM (OM3/OM4) (12)LC-to-(1)MTP(M)
FCM-24LC-51M	24-Fiber (6-Quad) 50-µm MM (OM3/OM4) (24)LC-to-(2)MTP(M)

SC Plug-and-Play Fiber Cassettes

PART NO.	DESCRIPTION
FCM-12SC-6M	12-Fiber (6-Duplex) 62.5-µm MM (OM1) (12)SC-to-(1)MTP(M)
FCM-12SC-5M	12-Fiber (6-Duplex) 50-µm MM (OM2) (12)SC-to-(1)MTP(M)
FCM-12SC-9M	12-Fiber (6-Duplex) SM (12)SC(UPC)-to-(1)MTP(M)
FCM-12SCA-9M	12-Fiber (6-Duplex) SM (12)SC(APC)-to-(1)MTP(M)

LC Plug-and-Play Fiber Cassettes

PART NO.	DESCRIPTION
FCM-12LC-6M	12-Fiber (6-Duplex) 62.5-µm MM (OM1) (12)LC-to-(1)MTP(M)
FCM-12LC-5M	12-Fiber (6-Duplex) 50-µm MM (OM2) (12)LC-to-(1)MTP(M)
FCM-12LC-9M	12-Fiber (6-Duplex) SM (12)LC(UPC)-to-(1)MTP(M)
FCM-12LCA-9M	12-Fiber (6-Duplex) SM (12)LC(APC)-to-(1)MTP(M)
FCM-24LC-6M	24-Fiber (6-Quad) 62.5-µm MM (OM1) (24)LC-to-(2)MTP(M)
FCM-24LC-5M	24-Fiber (6-Quad) 50-µm MM (OM2) (24)LC-to-(2)MTP(M)
FCM-24LC-9M	24-Fiber (6-Quad) SM LC(UPC)-to-(2)MTP(M)
FCM-24LCA-9M	24-Fiber (6-Quad) SM LC(APC)-to-(2)MTP(M)

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 50 µm MM, 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), 62.5 µm MM, Plenum
FMA-125P-7F-7F-XXXM	12-Fiber MTP (F)-to-MTP (F), 50 µm MM, Plenum
FMA-129P-7F-7F-XXXM	12-Fiber MTP (F)-to-MTP (F), SM, 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	X	X	XX	XX	XXX	X
	12 = 12 Fibers	6 = MM 62.5 µm	R = Riser	7F = MTP (Non-Pinned)	7F = MTP (Non-Pinned)	001 - 999	F = Feet
		5 = MM 50 µm	P = Plenum	7M = MTP (Pinned)	7M = MTP (Pinned)		M = Meters
		51 = MM 50 µm 10G LO					
		9 = SM					

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	X	XX	X	XX	XX
	12 = 12 Fibers	6 = MM 62.5 µm	7M = MTP (Pinned)	2 = ST	001 - 020	012 - 048
		5 = MM 50 µm		4 = SC		
		51 = MM 50 µm 10G LO		9 = LC		
		9 = SM		8 = MT-RJ		

Racks AND Cable MANAGEMENT

www.signamax.com

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 CEA-310-E spacing. Standard rack finish is black.

PART NO.	DESCRIPTION	RACK SPACES
RR-84B	84” High Equipment Rack, Black Finish	45
RR-48B	48” High Equipment Rack, Black 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 with 4”W x 5”H Wiring Duct on Front and Back
VCM-84FR-C	Vertical Cable Management for 84” High Equipment Rack, Center-Mount with 4”W x 5”H Wiring Duct on Front and Back
VCM-84F-S	Vertical Cable Management for 84” High Equipment Rack, Side-Mount with 4”W x 5”H Wiring Duct on Front Only

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

Wall-Mount Equipment Cabinets and Hinged Wall-Mount Brackets

Wall-Mount Equipment Cabinets

Signamax wall-mount equipment cabinets are a perfect solution for small to medium IT installations, for installations where either space is limited or security requirements exist. Cabinets may also serve as alternative spaces to the telecommunications room or entrance facility.

Designed to accommodate active and passive telecommunications equipment, these cabinets are supplied in two basic versions – single-section and dual-section, and a variety of heights – from 6 to 18 rack-mount units. Removable side doors equipped with a lock allows access to the cabinet contents from left, right or rear. Front door features a lock and toughened glass for easy inspection of cabinet contents and operational status of the installed equipment. An optional set of two fans can be installed to improve active equipment cooling where necessary.

PART NO.	DESCRIPTION	Height, RMU	Height, mm (in)	Depth, mm (in)	Weight, kg (lb)
Single Section Cabinets					
WEC-S-06-600/450-BK	Single-Section Wall-Mount Cabinet	6	266.7 (10.50)	450.0 (17.72)	28 (62)
WEC-S-09-600/450-BK	Single-Section Wall-Mount Cabinet	9	400.1 (15.75)	450.0 (17.72)	29 (64)
WEC-S-12-600/450-BK	Single-Section Wall-Mount Cabinet	12	533.4 (21.00)	450.0 (17.72)	30 (66)
WEC-S-15-600/450-BK	Single-Section Wall-Mount Cabinet	15	666.8 (26.25)	450.0 (17.72)	31 (68)
Dual Section Cabinets					
WEC-D-06-600/550-BK	Dual-Section Wall-Mount Cabinet	6	266.7 (10.50)	550.0 (21.65)	30 (66)
WEC-D-09-600/550-BK	Dual-Section Wall-Mount Cabinet	9	400.1 (15.75)	550.0 (21.65)	30 (66)
WEC-D-12-600/550-BK	Dual-Section Wall-Mount Cabinet	12	533.4 (15.75)	550.0 (21.65)	31 (68)
WEC-D-15-600/550-BK	Dual-Section Wall-Mount Cabinet	15	666.8 (26.25)	550.0 (21.65)	34 (75)
WEC-D-15-600/600-BK	Dual-Section Wall-Mount Cabinet	15	666.8 (26.25)	600.0 (23.62)	36 (79)
WEC-D-18-600/550-BK	Dual-Section Wall-Mount Cabinet	18	800.1 (26.25)	550.0 (21.65)	39 (86)
WEC-D-18-600/600-BK	Dual-Section Wall-Mount Cabinet	18	800.1 (26.25)	600.0 (23.62)	40 (88)
Accessories					
WEC-CTF-2	Cooling Fans, Set of Two, NEMA 5-15 Plug, 6ft Cord				
WEC-MH-CN-50	Mounting Hardware, Package of 50				

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”H x 4”D Wiring Duct on Back	1
CMP-350-AD	Panel with (5) 3” x 3” Horizontal Distribution Rings and 3”H x 4”D Wiring Duct on Back	2

Panels with Front Wiring Duct

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

www.signamax.com

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.

10/100BaseT/TX to 100BaseFX Fiber Optic 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

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)
(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 µs (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

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

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

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 Fiber Optic 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

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 maxi-mum distance (065-1196), 9/125 micron singlemode fiber spanning 10 kilometers (065-1196LX), 20 kilometers (065-1196LXED).

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

10/100/1000BaseT/TX to 100/1000Base SFP Fiber Optic Media Converters

Signamax Connectivity Systems' new 065-1196SFPDR 10/100/1000BaseT/TX to 100/1000Base SFP Switching Media Converter provides a flexible and intelligent solution for long distance connections between legacy 10BaseT and 100BaseTX networks and either 1000Base Gigabit Ethernet fiber or 100Base fiber 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 OR 100BaseFX/BX standard-compliant for the fiber optic connection.

The 065-1196SFPDR dual-rate fiber Media Converter features extremely low latency of ≤1.6 µs, FIFO, worst case; the ability to force the RJ-45 port to 100Base or 10Base full or half-duplex modes; the ability to provide auto-negotiation on the 1000Base fiber port or forced full-duplex mode where required; and the enabling or disabling of the Link Fault Signaling feature. Link Fault Signaling provides a means of propagating a link drop on either port of the media converter to the other port, enabling a connected managed switch to see the link drop and respond to it using Spanning Tree Protocol or another recovery scheme.

10/100/1000BaseT/TX to 100/1000Base SFP Fiber Optic Media Converters

PART NO.	DESCRIPTION
065-1196SFPDR	10/100/1000BaseT/TX to Dual-Rate 100Base or 1000Base SFP Media Converter

Fiber types, 100 or 1000Base speed, and distances spanned are SFP module-dependent. Please see our website at www.signamax.com for 1000Base SFP and 100Base SFP availability and specification in formation.

Specifications

Ports
1 - RJ-45 10/100/1000BaseT/TX port
1 - Dual-rate 1000Base or 100Base SFP receptacle.

LED Indicators
Power; LFS Status; Link Copper; Link Fiber; Copper port speed (Green = 1000 Mbps, Amber = 100 Mbps, off = 10 Mbps); SFP fiber port speed indicator.
Six LEDs total.

Performance
Latency: ≤1.6 µs (FIFO).
MTBF: 1,857,775.35 hours (212.07 years), calculated via the Part Stress Analysis Method.
Throughput, per port: @ 1000Base: 1,488,100 pps (64-byte packets); @ 100Base: 148,810 pps (64-byte packets)
Switch Fabric Speed: 4.0 Gbps (non-blocking, wire speed performance)
Frame Buffer: 12K total (Tx buffer = 4K, Rx buffer = 4K, 8051microcontroller use = 4K).

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 ~ 122°F (0°C ~ 50°C)
Storage Temperature: -14°F ~ 158°F (-10°C ~ 70°C)
Relative Humidity: 5% ~ 90%, non-condensing

Power
Power Requirement: 12 VDC
Power Supply Provided: Primary: 100 - 240 VAC, 50/60 Hz. Secondary: 12 VDC, 600 ma, center contact positive.
Power Consumption: 2.76 watts maximum.
Maximum Current Consumption: 0.23A @ 12VDC.

Emissions & Safety
Safety: CE Mark Class A
EMI: FCC Part 15 Class A; VCCI Class A

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 singlemode 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
065-1197	1000BaseT to 1000BaseLX Converter, SC MM, 10 km Span
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

Fiber types and distances spanned are SFP module-dependent.
Please see our website at www.signamax.com for SFP availability and specification 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; LNKF; LNKC (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

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 Pre-attached DIN-Rail Mount

Specifications

Fixed Ports
1 - RJ-45 Twisted Pair; 10/100BaseT/TX
1 - RJ-11 Ethernet Extender

LED Indicators
End Panel: Per Unit: PWR (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: Ethernet Extender (Line) Port Speed: LED 1 (green/amber); LED 2 (green/amber); LED 3 (green/amber); LED 4 (green/amber).
Combination of illuminated LEDs indicates speed achieved.

Data Rates & Distances Spanned
Twisted Pair Ethernet Port: 10 or 100 Mbps; 100 m
Ethernet Extender Port: Up to 30 Mbps @ 1,968 feet (600 meters) down to 1 Mbps @ 6,233 feet (1,900 meters); supports symmetrical VDSL operation. Cable: Telephone line 24 AWG (0.5mm diameter, 1-pair wire) or larger.

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: 0.33 lb (150 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

Certifications
Safety: UL508, EN60950-1, IEC60950-1; CE Mark
EMI: FCC Part 15 Class A; EN61000-6-3; EN55022; EN61000-3-2; EN61000-3-3
EMS: ESD Standards (IEC 61000-4-2);
Radiated FRI Standards (IEC 61000-4-3);
Burst Standards (IEC 61000-4-4);
Surge Standards (IEC 61000-4-5);
Induced RFI Standards (IEC 61000-4-6)
Magnetic Field Standards (IEC 61000-4-8);
Voltage Dip Standards (IEC 61000-4-11).
Environmental Test Compliance:
Vibration Resistance: IEC 60068-2-6fc.
Shock: IEC 60068-2-27 Ea.
Free Fall: IEC 60068-2-32 Ed.

Warranty
Lifetime

16-Bay Rack Mount Media Converter Chassis

The Signamax 065-1185 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. The 065-1185 has a choice of power supply configurations, supporting AC power for 110 volt or 220 volt power systems or -48 volt DC power for carrier operations.

16-Bay Rack Mount Media Converter Chassis

PART NO.	DESCRIPTION
065-1185	16-Bay Rack Mount Media Converter Chassis, AC
065-1185DC	16-Bay Rack Mount Media Converter Chassis, 48V DC
AC-1185	Spare Redundant Power Supply 90 - 240 V AC
DC1185	Spare Redundant Power Supply 48V DC
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, 220/550 m
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

Switched Fast Ethernet Series:
Multimode versions:
10/100BaseT/TX to 100BaseFX, multimode fiber; choice of SC, ST, LC, or MT-RJ connectors. Maximum distance: 2 km.
Singlemode versions:
10/100BaseT/TX to 100BaseFX, singlemode SC connectors. Maximum distance: up to 75 km
LED Status Indicators:
Per unit: Power status, Speed (2 LEDs)
Per port: LNK/ACT, FDX/COL (2 LEDs)

Gigabit Ethernet Series:
065-1200SC95 version:
1000BaseT to 1000BaseSX, multimode fiber, SC connectors. Maximum distance, 1000BaseSX port: 220 meters over 62.5/125 µ multimode fiber or 550 meters over 50/125 µ multimode fiber (full duplex only)
065-1200SC97 & 065-1200SC97ED versions:
1000BaseT to 1000BaseLX, singlemode fiber, SC connectors. Maximum distance, 1000BaseLX port: 10 km (Model 065-1200SC97) or 20 km (Model 065-1200SC97ED) (full duplex only)
LED Status Indicators:
Per unit: Power status, FDX/COL, TX, RX (4 LEDs)
Per port: LNKF (fiber port), LNKC (copper port); 1 LED each.

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: 0º - 40º C (32º - 140º 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

Managed Operations, Administration & Maintenance (OAM) Media Converter

Signamax Connectivity Systems' 065-16xxOAM series Managed Operations, Administration & Maintenance (OAM) Media Converters are designed to provide Local Exchange Carriers (LECs), Internet Service Providers (ISPs), and large installations such as airports with media conversion solutions that can provide device information, testing, and integration with standards-based operations systems in a Fiber to the Premises (FTTP) environment. These converters adhere to the IEEE 802.3ah standard for Link Monitoring, Remote Failure Indication, and Remote Loopback capabilities. They are equipped with a 10/100/1000BaseT/TX RJ45 port and a fiber interface that supports either 1000Base or 100Base connections. Multimode and singlemode models share the same OAM feature set, so that commercial entities who utilize multimode fiber for their Local Area Networks (LANs) can get the same advantages of remote fault detection and testing and controlling unnecessary dispatches as carriers using singlemode fiber for their Wide-Area Networks (WANs).

OAM Media Converters

PART NO.	DESCRIPTION
065-1610OAM	10/100/1000 to 1000BaseSX/BX or 100BaseFX/BX SC/MM OAM Managed Media Converter 1000BaseSX/BX span: 220m on 62.5µ MM fiber/550 m on 50µ MM fiber. 100BaseFX/BX span: 2 km on 62.5µ MM fiber or 50µ MM fiber
065-1610OAMED	10/100/1000 to 1000BaseSX/BX or 100BaseFX/BX SC/MM OAM Managed Media Converter 1000BaseSX/BX span or 100BaseFX/BX span: 2 km on either 62.5µ or 50µ multimode fiber
065-1620OAM10	10/100/1000 to 1000BaseSX/BX or 100BaseFX/BX SC/MM OAM Managed Media Converter 1000BaseSX/BX span or 100BaseFX/BX span: 10 km on singlemode fiber
065-1620OAM20	10/100/1000 to 1000BaseSX/BX or 100BaseFX/BX SC/MM OAM Managed Media Converter 1000BaseSX/BX span or 100BaseFX/BX span: 20 km on singlemode fiber

Specifications

Ports
1 - RJ-45 10/100/1000BaseT/TX ports
1 - Dual Rate 100BaseFX/BX or 1000BaseSX/LX/BX port; Multimode models 065-1610OAM & 065-1610OAMED:
SC multimode connector.
Singlemode models 065-1620OAM10 &065-1610OAM20:
SC singlemode connector.

LED Indicators
Per Media Converter: Power; OAMLOOP
Per Copper RJ-45 Port: Speed, FDX, LNK/ACT
Per Fiber Port: LNK/ACT

Performance
Latency: <4.2 µs (LIFO).
Throughput, per port: 14,880 pps for 10 Mbps; 148,810 pps for 100 Mbps; 1,488,100 pps for 1000 Mbps (64-byte packets)
Switch Fabric Speed: 4.0 Gbps (non-blocking, wire speed)
MAC Address Capacity: 1,024 MAC addresses
Jumbo Frame Support: 9 K packets supported

VLAN Capabilities
IEEE 802.1Q Tag-based VLAN supported; up to 4K active VLANs possible. Supports Q-in-Q Double Tagged Frame Transparent

Management
Access Methods: Via SNMP agent and Web browser.
Software Upgrade Capability: Via TFTP
SNMP v1 and v2 Network Management supported.
IEEE 802.3ah OAM supported.

Physical Characteristics
Dimensions: 3.94" (W) x 4.8" (D) x 1.28" (H) (100 x 122 x 32.5 mm)
Housing: Metal case, with built-in fiber splice tray.
Weight: 1.1 lbs (0.5 kg)

Environmental Characteristics
Operating Temperature: 23°F to 131°F (-5°C to 55° C).
Storage Temperature: -4°F to 158°F (-20°C to 70° C).
Operating Humidity: 5 to 95% RH, non-condensing.

Power
Power Supply: External power adapter 12 Volts DC, 0.25 Amp
Maximum Power Consumption: 3 Watts.

Emissions & Safety
Safety: CE Mark
EMI: FCC Part 15 Class A; CE Mark Class A; VCCI Class A

Warranty
Lifetime

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

Signamax Connectivity Systems' Switching Mini Fiber Optic Media Converters provide an intelligent solution for fiber optic connectivity where simplicity, low cost, and minimum footprint are the primary considerations. These converters are designed to handle both legacy 10BaseT and 100BaseTX Fast Ethernet devices on their twisted pair port while maintaining 100BaseFX Fast Ethernet transmission on the fiber optic port. Plug-and-play simplicity makes connection easy. Each Media Converter provides a 10/100BaseT/TX auto-negotiating RJ-45 twisted-pair connector port with Auto-MDIX capability for more convenient connection. Built-in 10/100 switch enables the fiber cable connection to operate at 100 Mbps connected to either a 10BaseT or a 100BaseTX network, while remaining completely 100BaseFX standard-compliant. Fiber connection can also operate in full duplex mode whether the RJ-45 port is connected to a full duplex switch or a half duplex hub.

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

PART NO.	DESCRIPTION
065-1000	10/100BaseT/TX to 100BaseFX Mini Media Converter ST Multimode, 2 km Span
065-1010	10/100BaseT/TX to 100BaseFX Mini Media Converter SC Multimode, 2 km Span
065-1020	10/100BaseT/TX to 100BaseFX Mini Media Converter SC Singlemode, 15 km Span
065-1020ED	10/100BaseT/TX to 100BaseFX Mini Media Converter SC Singlemode, 40 km Span
065-1020XLD	10/100BaseT/TX to 100BaseFX Mini Media Converter SC Singlemode, 75 km Span

Specifications

Fixed Ports

Models 065-1000/1010/1020/1020ED/1020XLD:
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 - 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
or
1 - fiber optic port meeting IEEE 802.3u 100BaseFX standard specification; 9/125 micron singlemode fiber optic cable, spanning: 20 km maximum distance (Model 065-1020)
or
40 km maximum distance (Model 065-1020ED)
or
75 km maximum distance (Model 065-1020XLD)

LED Indicators

Per Port: FX LNK/ACT, TX LNK/ACT
Two LEDs total

Performance

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

Physical Characteristics

Case dimensions: 3.15"L x 2.13"W x 0.87"H (80 x 54 x 22 mm)
Weight: 0.27 pounds (122 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: 5 Volts DC; 1.0 A
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 PCI Fiber Optic Media Converters

Signamax Connectivity Systems' Switching PCI Fiber Optic Media Converters are an excellent solution for fiber-to-the-desktop installations where the workstation computers have pre-installed Network Interfaces. These media converters are inserted into one of the PC's available PCI slots, and a copper patch cable is used to connect the media converter to the existing network interface jack on the PC's motherboard or in an adjoining PCI slot. The fiber optic cable then connects to the fiber-based cabling plan for network connectivity. They avoid the need for fiber NIC driver maintenance in environments where PCs are used in both fiber- and copper–connected areas. These converters are designed to handle both legacy 10BaseT and 100BaseTX Fast Ethernet devices on their twisted pair port while maintaining 100BaseFX Fast Ethernet transmission on the fiber optic port. Plug-and-play simplicity makes connection easy, with Auto-MDIX capability on the twisted-pair port for convenient connection. A built-in 10/100 switch enables the fiber cable connection to operate at 100 Mbps connected to either a 10BaseT or a 100BaseTX network interface, while remaining completely 100BaseFX standard-compliant.

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

PART NO.	DESCRIPTION
065-1060ST	10/100BaseT/TX to 100BaseFX PCI Media Converter ST Multimode, 2 km Span
065-1060SC	10/100BaseT/TX to 100BaseFX PCI Media Converter SC Multimode, 2 km Span
065-1060LC	10/100BaseT/TX to 100BaseFX PCI Media Converter LC Multimode, 2 km Span
065-1060SM	10/100BaseT/TX to 100BaseFX PCI Media Converter SC Singlemode, 20 km Span
065-1060SMED	10/100BaseT/TX to 100BaseFX PCI Media Converter SC Singlemode, 40 km Span
065-1060SMXLD	10/100BaseT/TX to 100BaseFX PCI Media Converter SC Singlemode, 75 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 - fiber optic port with SC (Model 065-1060SC), ST (Model 065-1060ST), or LC (Model 065-1060LC) meeting IEEE 802.3u 100BaseFX standard specification; 62.5/125 or 50/125 micron multimode fiber optic cable, 2,000 meters maximum distance
OR
1 - SC duplex fiber optic port meeting IEEE 802.3u 100BaseFX standard specification; 9/125 micron singlemode fiber optic cable, spanning: 20 kilometers maximum distance (model 065-1060SM)
OR
40 kilometers maximum distance (model 065-1060SMED)
OR
75 kilometers maximum distance (model 065-1060SMXLD)

LED Indicators

Per Port: FX LNK/ACT, TX LNK/ACT
Two LEDs total

Performance

Latency: < 4.2 µs (LIFO)
Throughput @ 100Base: 148,809 pps (64-byte packets)
Speed: 100BaseTX: 100/200 Mbps for half/full duplex; 10BaseT: 10/20 Mbps for half/full duplex
Switching Method: Store-and-Forward

Architecture

32-Bit PCI Bus Mastering

Power

Via computer's internal PCI bus; no external power required.

Emissions & Safety

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

Warranty

Lifetime

10/100 to 100BaseFX PoE PSE Fiber Optic 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 PoE PSE Fiber Optic Media Converters

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

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 - 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)
DIP Switches for setting PoE configuration

LED Indicators

Models 065-1050ST, 065-1050SC, 065-1050SM, 065-1050SMED, 065-1050SMXLD:
Power, PoE, TP Link/Act, 100, FX Link/Act, FDX/COL, 4W, 7W, 15.4W, Power Bad
Nine LEDs total

Performance

Latency: < 4.2 µs (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

Maximum Wattage: 24 Watts
PSE Power Feed Support: "Endpoint" via TP pin 1, 2, 3, 6
Maximum PoE Wattage Deliverable: 15.4 Watts (with a 15.4 Watt PoE device connected)
AC Input: 100 ~ 240 VAC, 50 ~ 60 Hz internal universal power supply

Emissions & Safety

UL Listed

Warranty

Lifetime

10/100 to 100BaseFX PoE PD Fiber Optic Media Converters

The Signamax 065-1050 series media converters are 10/100BaseT/TX to 100BaseFX Power over Ethernet (PoE) devices that are Powered Devices (PDs). It receives power over its data connection from a Power over Ethernet Power Sourcing Equipment (PSE), such as a PoE switch, so that a separate power source for the media converter is not required. The Signamax 065-1052 series media converters are PoE Powered Devices supporting two types of media, 10/100BaseT/TX and 100BaseFX, for network connection. They are also equipped with Link Fault Signaling (LFS), to maintain link integrity and enable automatic failover when used with Spanning Tree-equipped switches.

10/100 to 100BaseFX PoE PD Fiber Optic Media Converters

PART NO.	DESCRIPTION
065-1052ST	10/100BaseT/TX to 100BaseFX PoE PD Media Converter, Multimode/ST, 2 km
065-1052SC	10/100BaseT/TX to 100BaseFX PoE PD Media Converter, Multimode/SC, 2 km
065-1052SM	10/100BaseT/TX to 100BaseFX PoE PD Media Converter, Singlemode/SC, 15 km
065-1052SMED	10/100BaseT/TX to 100BaseFX PoE PD Media Converter, Singlemode/SC, 40 km
065-1052SMXLD	10/100BaseT/TX to 100BaseFX PoE PD media converter, Singlemode/SC, 75 km

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 - 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 065-1052ST & 065-1052SC)
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 065-1052SM)
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 065-1052SMED)
OR
1 - iber optic port meeting IEEE 802.3u 100BaseFX standard specification; 9/125 micron singlemode fiber optic cable, spanning: 75 kilometers maximum distance (Model 065-1052SMXLD)

LED Indicators

FX Link/Act, FX FDX/Col, TX Link/Act, TX 100, PSE Power Good, PSE Power Bad, Power
Six LEDs total

Performance

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

Physical Characteristics

Case dimensions: 3.70"L x 2.77"W x 1.03"H (94mm x 70.3mm x 26.2mm)
Weight: 0.5 pounds (0.23 kilograms)

Environmental Characteristics

Operating Temperature: 32°F to 122°F (0°C to 50° C)
Storage Temperature: -4°F to 158°F (-20°C to 70° C)
Relative Humidity: 5 to 90%, non-condensing

Power

Maximum Wattage: 4.8 Watts
PD Power Reception Support: "Endpoint" via TP pin 1, 2, 3, 6 or "Midspan" via TP pin 4, 5, 7, 8
Maximum PoE Draw: 100mA @ -48 V DC from IEEE 802.3af PSE or PoE injector
Power Supply: External, 1 Amp @ +5 V DC (when not powered via PoE)

Emissions & Safety

UL Listed

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 input Requirements

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
UL 60950, EN 60950, IEC 60950, IEC 61000-6-2

Installation

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

Warranty

Lifetime

10/100/1000 to Gigabit SFP DIN Rail Mount Industrial Media Converter

Signamax Connectivity Systems' 065-1896SFPTB 10/100/1000BaseT/TX to 1000BaseSFP media converter has been developed to operate flexibly at Standard Ethernet, Fast Ethernet, or Gigabit Ethernet speeds in harsh industrial environments that require ruggedized equipment that can operate in severe temperature extremes. This media converter is 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 and varying Ethernet speeds interface to a fiber optic Gigabit Ethernet network.

10/100/1000BaseT/TX to 1000Base SFP Hardened Media Converters

PART NO.	DESCRIPTION
065-1896SFPTB	10/100/1000BaseT/TX to 1000Base SFP Industrial Hardened Media Converter, 24 V DC Redundant Power Terminal Block
065-79SXMG-H	1000BaseSX SFP Module - MM/LC, 220m Span on 62.5µm Fiber / 550m Span on 50µm Fiber
065-79SXEDMG-H	1000BaseSX SFP Module 1310 nm - MM/LC, 2 km
065-79LXMG-H	1000BaseLX SFP Module 1310 nm - SM/LC, 10 km
065-79LXEDMG-H	1000BaseLX SFP Module 1310 nm - SM/LC, 40 km
065-79XDMG-H	1000BaseXD SFP Module 1550 nm - SM/LC, 40 km
065-79ZXMG-H	1000BaseZX SFP Module 1550 nm - SM/LC, 80 km
065-79EZXMG-H	1000BaseEZX SFP Module 1550 nm - SM/LC, 110 km

Specifications

Fixed Ports
1 - twisted-pair port meeting IEEE 802.3, IEEE 802.3u, or IEEE 802.3ab standard specifications, Auto MDI/MDI-X and Auto-Negotiation Function supported.
PLUS
1 - 1000BaseSFP port with SFP receptacle.

LED Indicators
Per Unit: Power1, Power2, Power3 (Green). Fault, LFS
Per Port: 10/100/1000BaseT/TX port: Link/Activity, Speed, Full Duplex/Collision; 1000BaseSX/LX port – Link F, TX, RX

Performance
Throughput @ 1000BaseT: 1,488,100 pps
Throughput @ 100BaseTX: 148,810 pps
Throughput @ 10BaseT: 14,881 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 input Requirements
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
UL 508

Installation
DIN Rail Kit included and pre-installed, or wall mounting ears for 3-way installation

Warranty
Lifetime