

CONNECTIVITY SOLUTIONS

2018
CATALOG

SIGNAMAX
Keeping Your World Connected

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WHO IS YOUR TRUSTED TECHNOLOGY PARTNER?

As technology becomes an ever-increasing critical component of our professional world, so do the issues that can arise. Most of us are fortunate enough to know an individual that is blessed with the talent for technology and has been there as your trusted partner to keep you connected. Signamax strives to deliver such a promise to every customer with our Connectivity Solutions products.

Our Connectivity Solutions products are designed to work together and engineered to deliver guaranteed performance to meet your current networking challenges.

Whether you are updating or installing a new infrastructure in an office building, a data center, or an industrial application, Signamax Connectivity Solutions can accommodate the needs with five different solutions from category 6A Screened, 6A Unscreened, 6 or 5e to innovative fiber solutions that offer flexibility, reliability, and more importantly sustainability.

With a complete family of key components from the traditional voice system to the multi-Gigabit and multi-media applications, we have an end-to-end solution to support any information transport system offering the real-world answers you are looking for.

These products are more than just ISO-certified manufactured and ANSI/TIA tested pieces of equipment, they improve productivity and offer a lower cost of ownership to create a competitive business advantage.

Our team is your worldwide partner network that puts the utmost importance in serving our customers who are the foundation of our business. We have a US based customer service team ready and willing to field calls for quotes, order processing, order inquiries, item availability, expediting, and the list goes on. The regionally focused global customer service teams offer a partner in your own backyard who is readily available to answer questions. Then there is the technical support group who is your reassurance that we will stand by our products and our promise.

SIGNAMAX IS HERE TO BE
YOUR TECHNOLOGY PARTNER
&
KEEP YOUR WORLD CONNECTED

Stay Connected With Us:

FOLLOW US ON



linkedin.com/company/signamax-inc

TWEET US ON



twitter.com/Signamax_Inc

WATCH US ON



youtube.com/user/SignamaxINC

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SIGNAMAX

CERTIFIED CONTRACTOR PROGRAM

YOUR ADVANTAGE STARTS HERE - QUALITY, SUPPORT, INNOVATION, & EXPERIENCE

The SIGNAMAX Certified Contractor Program was created to make a network of partners to carry out the design, installation, & maintenance of our products to ensure the longevity of our end user's investment. Our program is built for those companies and individuals working in the cable installation, infrastructure, and design environments who know there is more to building a cabling system than just buying good quality cable and connecting hardware.

As a SIGNAMAX certified partner the following advantages are yours:

- Direct access to industry trained professionals with several RCDD's on staff
- Rewards Program that is based on quarterly purchases and year ending prizes
- Quality products warranted to meet or exceed the specifications of standard organizations including, but not limited to ISO/IEC & TIA
- Only certified partners can offer the Signamax 25-Year Cable System Warranty

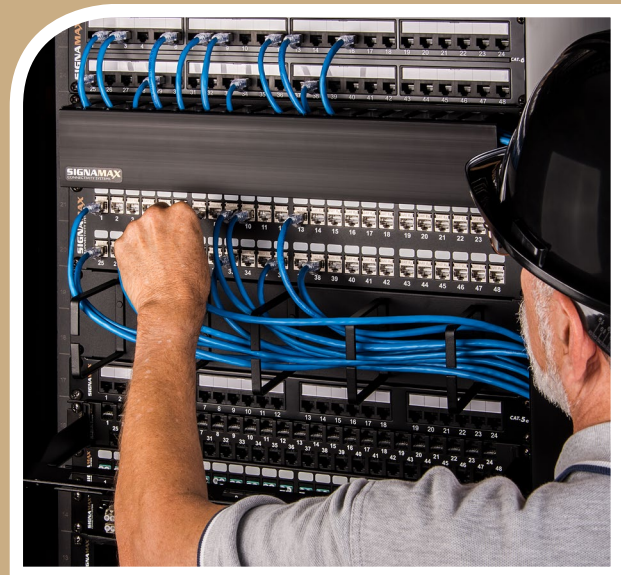
There are three ways to become a SIGNAMAX Certified Contractor.

1. **SIGNAMAX Cabling System Review Course** – BICSI accredited one-day training course that enlists a mixture of lecture, design exercises, and hands-on experience to train and certify professionals in the design principles and installation practices.
- 2: **SIGNAMAX Online Certification Test** – The online test provides those who prefer the do-it-yourself type of training access to becoming a certified contractor their way.
- 3: **SIGNAMAX Pre-Approval** – The pre-approval is for those in the industry with previously earned certifications from accredited and industry recognized manufacturers.

All the options include the SIGNAMAX Cabling System Design Principles & Installation Practices Manual for future reference in the field. The one-day training course offers those with RCDDs or other BICSI credentials 8 continuing education credits (CECs).

For further information visit: www.signamax.com/certified-contractor/
or email us at: contractors@signamax.com

Get well connected today.



SIGNAMAX

WARRANTY PROGRAM

PROTECT YOUR INFRASTRUCTURE WITH SOME PEACE OF MIND

SIGNAMAX warranties guarantee that at the time of sale the components are free from design, material, and assembly flaws and provide the claimed operation performance.

SIGNAMAX Basic Component Warranty

- Guarantees repair, replacement, or refund for any components purchased via authorized distribution channels.
- 5-years from date of purchase
- Issued to end-user
- Labor cost is not included
- Covers cable, cable assemblies, & passive telecommunications connecting hardware

SIGNAMAX Cabling System Warranty

The Signamax Cabling System is based on Signamax brand certified components, purchased through official distribution channels, that has been installed by one of our Certified Partners with the title of Signamax Authorized Installer or Signamax Authorized Consultant.

Our certified partners meet stringent requirements and abide by the following criteria:

- Adhere to BICSI, ANSI/TIA-568, and ISO/IEC 11801 standards
- Adhere to all federal, state, and local codes and regulations
- Undergo extensive training in the Signamax Cabling Systems
- Provide/install with cable products from Signamax Cable Partners
- Offer a full line of cabling system consultation, design, and installation services

The system is covered for material and labor for 25-years from the date your installation is approved and registered with Signamax. In the event of any problems, Signamax can be contacted directly to work with you and your Signamax certified partner to promptly resolve the issue.

This warranty assures that your system will be

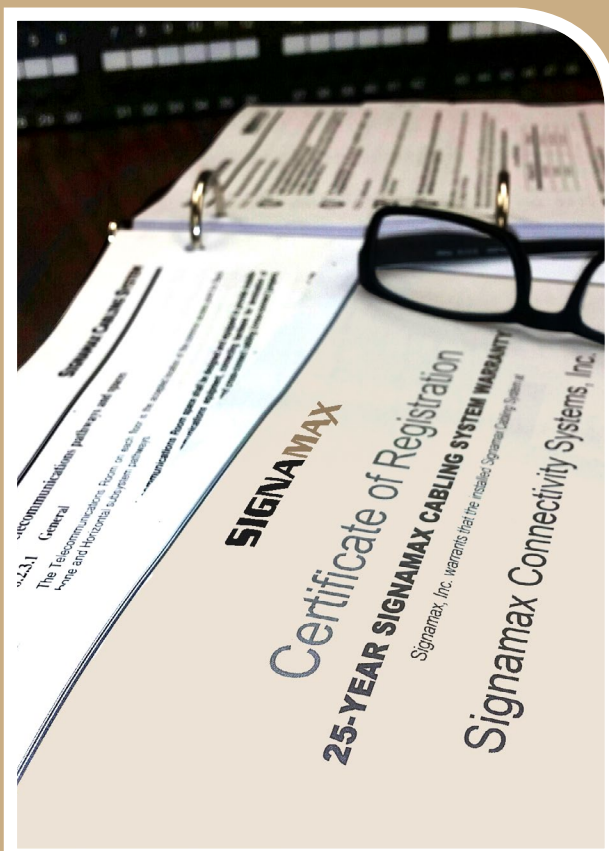
- Free from defects
- Meet or exceed ANSI/TIA-568-C and ISO/IEC 1180 cabling performance specifications
- Support any current or future application designed to operate over the applicable system
- Quickly be repaired or replaced

If it's part of the link and the lifeline that keeps your networks running, then it's covered by the Signamax Cabling System Warranty. Choose SIGNAMAX and let our Certified Partners set you up for success, now and in the future.

Additional details on the warranties offered can be found at:

www.signamax.com/certified-contractor/warranty/

or email us at: warranty@signamax.com



We are here to
Keep Your World Connected





COPPER SOLUTIONS

SIGNAMAX COPPER SOLUTIONS EXCEED CATEGORY-RATED PERFORMANCE WITH ASSURING RELIABILITY AND A FOUNDATION FOR FUTURE NETWORK GROWTH.

Whether you are implementing category 6A system, building a category 6 platform, or installing a category 5e network, Signamax can provide the scope of network configurations you will need to support your business. All our solutions are designed for the most demanding applications, engineered to meet stringent standards and specifications, and backed by our comprehensive Cabling System Warranty Program.

Connect With Us     & Stay Up-to-Date

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Plenum / Riser

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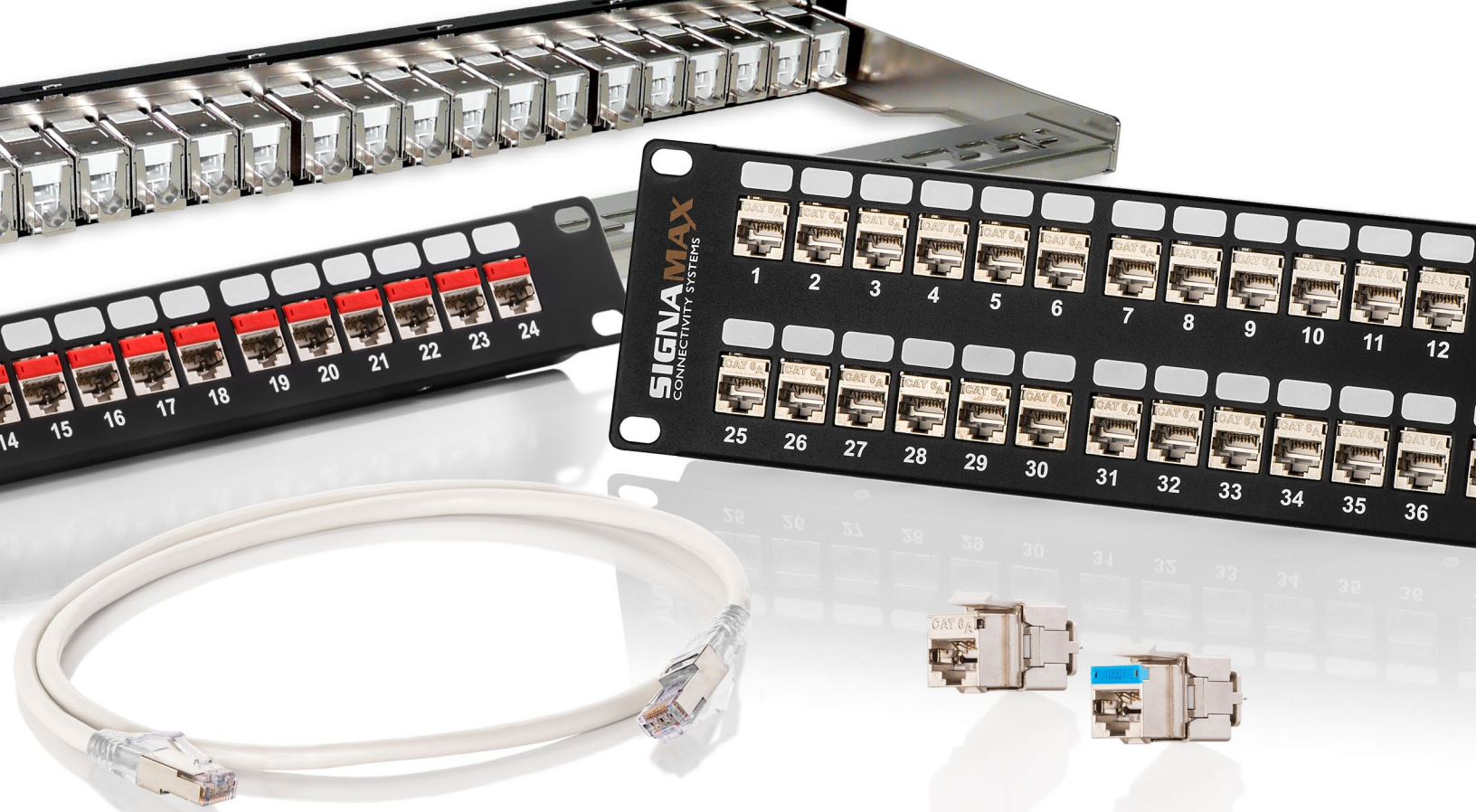
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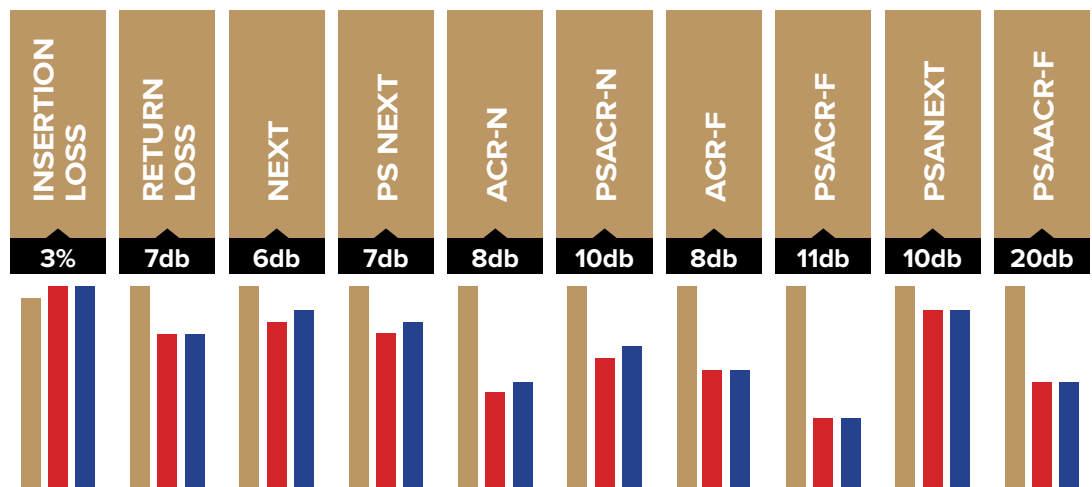


CAT 6A SCREENED

- ENSURES IEEE 802.3AN 10 GIGABIT ETHERNET PERFORMANCE
- EXCEEDS ANSI/TIA-568-C.2 COMPONENT PERFORMANCE SPECIFICATIONS
- ABILITY TO HANDLE FULL-LOAD AMPERAGE TO SUPPORT POWER OVER ETHERNET
 - DESIGNED TO ELIMINATE ALIEN CROSSTALK
- RECOMMENDED FOR EDUCATION, HEALTHCARE, & DATA CENTER APPLICATIONS
- SYSTEM INCLUDES KEYSTONE JACKS, PATCH PANELS, PATCH CORDS, & CABLE

CAT
6A
SCREENED

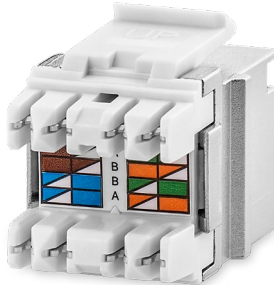
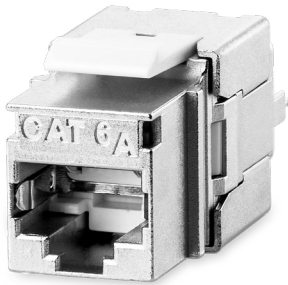
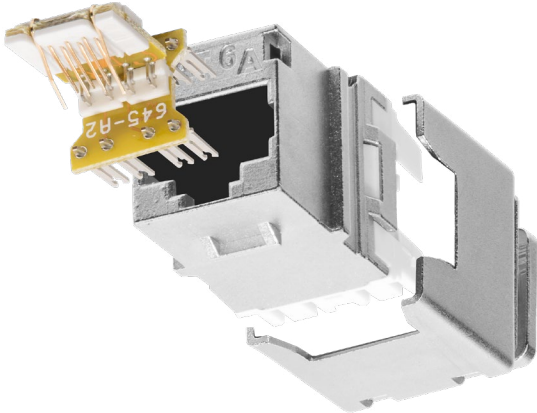
CATEGORY 6A F/UTP CHANNEL PERFORMANCE MARGINS



Category 6A Screened Keystone Jacks

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Meets IEEE 802.3an 10 Gigabit Ethernet transmission requirements
- Overall solid-metal shielding design for 360-degree screen coverage
- Toolless option's termination cap eliminates the need for any termination tools
- Compatible with Signamax screened snap-in patch panels and work area faceplates
- Improved wire retention and ease of termination with rear 110 type contacts
- Easy-to-read T568A/B wiring scheme color-coded label
- Circuit identification icons and dust covers included in the jack's package

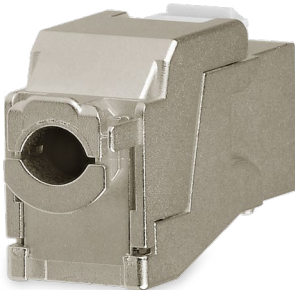


Category 6A MT-Series Screened Keystone Jacks

ORDERING INFORMATION

PART NO.	DESCRIPTION
KJS458MT-C6AC	Category 6A MT-Series Screened Keystone Jack, T568A/B Wiring

Standard circuit identification icons/dust covers are Light Ivory. Additional color options sold separately.



Category 6A Toolless Screened Keystone Jacks

ORDERING INFORMATION

PART NO.	DESCRIPTION
KJS458TL-C6AC	Category 6A Screened Toolless Keystone Jack, T568A/B Wiring

Category 6A Screened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Meets IEEE 802.3an 10 Gigabit Ethernet transmission requirements
- Overall solid-metal shielding design for 360-degree screen coverage
- Snap-in rear cable management bar
- Angled design eliminates the need for cable management panels saving space
- Improved wire retention and ease of termination with rear 110 type contacts
- Cold-rolled steel construction for maximum strength and durability



Category 6A MT-Series Patch Panels

ORDERING INFORMATION

PART NO.	DESCRIPTION
24458S-C6A	24-Port Category 6A MT-Series Screened Patch Panel, 1 RMU
48458S-C6A	48-Port Category 6A MT-Series Screened Patch Panel, 2 RMU
72458S-C6A	72-Port Category 6A MT-Series Screened Patch Panel, 2 RMU

Panels are supplied as a kit, which includes the panel, MT-Series screened jacks per port count, a cable management bar per RMU, and cable ties. Standard circuit identification icons/dust covers are Light Ivory. Additional color icon options sold separately.



Category 6A MT-Series Angled Patch Panels

ORDERING INFORMATION

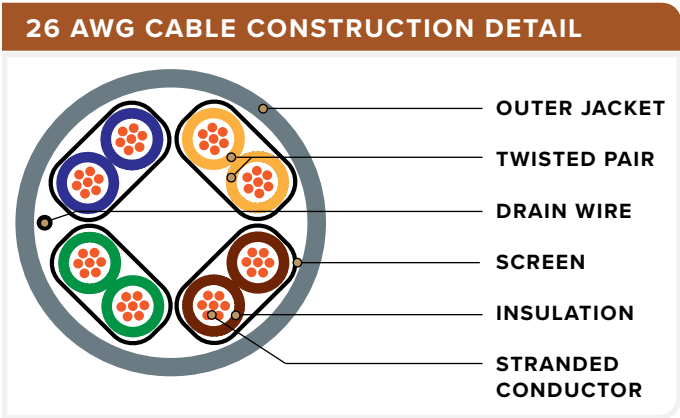
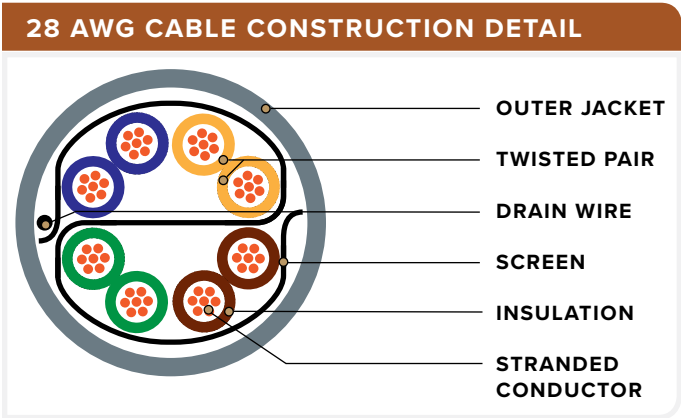
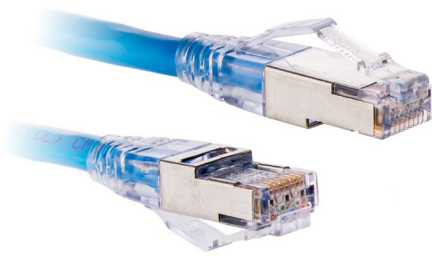
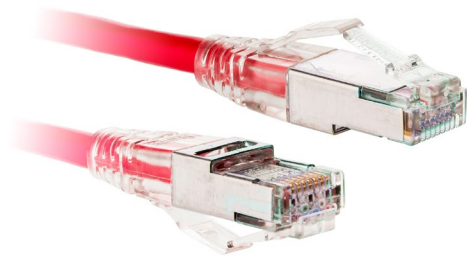
PART NO.	DESCRIPTION
24458SA-C6A	24-Port Category 6A MT-Series Screened Angled Patch Panel 1 RMU
48458SA-C6A	48-Port Category 6A MT-Series Screened Angled Patch Panel, 2 RMU
72458SA-C6A	72-Port Category 6A MT-Series Screened Angled Patch Panel, 2 RMU

Panels are supplied as a kit, which includes the panel and MT-Series screened jacks per port count. Standard circuit identification icons/dust covers are Light Ivory. Additional color icon options sold separately.

Category 6A Patch Cords

KEY FEATURES

- Protection against ANEXT & EMI
- 100% factory tested per ANSI/TIA-568-C.2 to ensure category 6A component performance
- Supports IEEE 802.3at PoE+ performance standard
- Available in 26 AWG or the slimmer 28 AWG
- 28 AWG's smaller diameter cord allows better air flow and less clutter
- Both offer a snag-free boot design protecting the plug latch
- ETL verified screened cable
- Meets IEEE 802.3an 10-Gigabit Ethernet transmission requirements



Category 6A Screened 26 AWG Patch Cords

ORDERING INFORMATION

PART NO.	DESCRIPTION
C6AS-314 CC -L F B	Category 6A 26 AWG Screened Patch Cord with Snag-Proof Boots

Specify cable jacket color by substituting **CC** in P/N for the following: WH YE RD BU GN GY BK

Specify cable length by substituting **L** in P/N for the following:

3: 3 ft **5**: 5 ft **7**: 7 ft **10**: 10 ft **15**: 15 ft **20**: 20 ft **25**: 25 ft

P/N Example: **C6AS-314BU-3FB** - Cat 6A Screened Patch Cord with Snag-Proof Boots, Blue, 3 ft

Category 6A Screened 28 AWG Patch Cords

ORDERING INFORMATION

PART NO.	DESCRIPTION
C6AS-328 CC -L F B	Category 6A 28 AWG Screened Patch Cord with Snag-Proof Boots

Specify cable jacket color by substituting **CC** in P/N for the following: WH YE RD BU GN GY BK

Specify cable length by substituting **L** in P/N for the following:

3: 3 ft **5**: 5 ft **7**: 7 ft **10**: 10 ft **15**: 15 ft **20**: 20 ft **25**: 25 ft

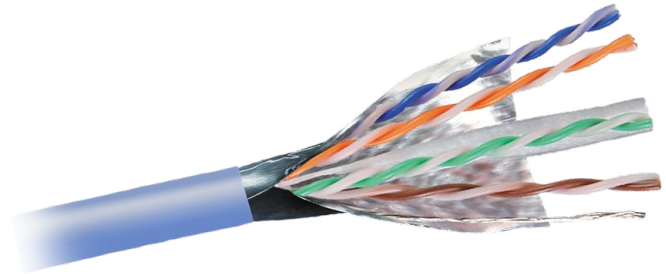
P/N Example: **C6AS-328BU-3FB** - Cat 6A Screened Patch Cord with Snag-Proof Boots, Blue, 3 ft

CUSTOM LENGTH PATCH CORDS ARE AVAILABLE, CONTACT CUSTOMER SERVICE FOR SPECIAL ORDERS.

Category 6A Screened Cable

KEY FEATURES

- ANSI/TIA 568-C.2 category 6A verified
- ISO/IEC 11801 2nd Ed. category 6_A compliant
- Screened design for reduced diameter & improved AXT performance
- UL listed CMP, CSA Type FT6
- Supports PoE up to 100 Watts
- Reach & RoHS 2 compliant
- Made in USA



Category 6A F/UTP CMP Cable

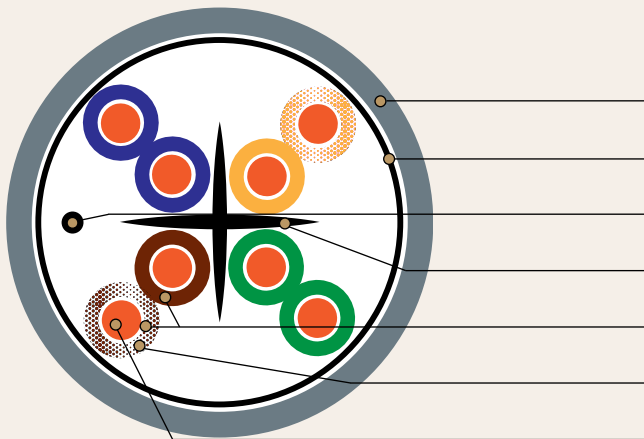
ORDERING INFORMATION

PART NO.	DESCRIPTION
BC6A-2311B-CC	Category 6A F/UTP 4 pair 23 AWG solid cable, CMP, 1,000 ft (305 m)

Specify cable jacket color by substituting **CC** in P/N for the following: **WH** **BU**

For other cable jacket colors, contact customer service.

CABLE CONSTRUCTION DETAIL



BC6A-2311

- OUTER JACKET**
- SCREEN**
- DRAIN WIRE**
- PAIR SEPARATOR**
- TWISTED PAIR**
- INSULATION**
- SOLID CONDUCTOR**

Category 6A Screened Cable

SPECIFICATIONS

ELECTRICAL

Maximum Delay Skew: 45 ns/100 m
Input Impedance: 100±15 Ohm (1-100 MHz)
 100±20 Ohm (101-250 MHz)
 100±25 Ohm (251-500 MHz)

CONSTRUCTION

Conductor Size: 23 AWG
Conductor Material: Solid bare copper
Screen Material: Polyester backed aluminum foil
Pair Count: 4 Pairs
Jacket Material: Plenum rated flame-retardant thermoplastic
Overall Cable Diameter: 0.28 in (7.0 mm)
Packaging: 1,000 ft (305 m)

ENVIRONMENTAL

Temperature:
Installation: 0°C to 60°C (32°F to 140°F)
Storage: -40°C to 60°C (-40°F to 140°F)
Operating: -20°C to 75°C (-4°F to 167°F)

APPLICATIONS

Ethernet: IEEE 802.3u (100 Mbps), IEEE 802.3ab (1 Gbps), IEEE 802.3bz (2.5/5 Gbps), IEEE 802.3an (10 Gbps); ATM: 622 Mbps, 1000 Mbps; PoE: IEEE 802.3af (15 W), IEEE 802.3at (30 W +), IEEE 802.3bt Type 3 (60 W ++), IEEE 802.3bt Type 4 (100 W ++)

TRANSMISSION PERFORMANCE

F, MHz	INSERTION LOSS, dB		NEXT LOSS, dB		PSNEXT LOSS, dB		RETURN LOSS, dB		ACRF, dB		PSACRF, dB		ACR, dB	PSACR, dB	PSANEXT LOSS, dB		PSAACRF LOSS, dB	
	TIA ¹	MAX ²	TIA ¹	MIN ²	TIA ¹	MIN ²	TIA ¹	MIN ²	TIA ¹	MIN ²	TIA ¹	MIN ²	MIN ²	MIN ²	TIA ¹	MIN ²	TIA ¹	MIN ²
1	2.1	2.1	74.3	74.3	72.3	72.3	20.0	20.0	67.8	67.8	64.8	64.8	72.0	70.0	67.0	72.9	67.0	72.8
4	3.8	3.8	65.3	65.3	63.3	63.3	23.0	23.0	55.8	55.8	52.8	52.8	61.3	59.3	67.0	72.9	66.2	72.0
8	5.3	5.3	60.8	60.8	58.8	58.8	24.5	24.5	49.7	49.7	46.7	46.7	55.1	53.1	67.0	72.9	60.1	65.9
10	5.9	5.9	59.3	59.3	57.3	57.3	25.0	25.0	47.8	47.8	44.8	44.8	53.2	51.2	67.0	72.9	58.2	64.0
16	7.5	7.5	56.2	56.2	54.2	54.2	25.0	25.0	43.7	43.7	40.7	40.7	48.5	46.5	67.0	72.9	54.1	59.9
20	8.4	8.4	54.8	54.8	52.8	52.8	25.0	25.0	41.8	41.8	38.8	38.8	46.2	44.2	67.0	72.9	52.2	58.0
25	9.4	9.4	53.3	53.3	51.3	51.3	24.3	24.3	39.8	39.8	36.8	36.8	39.9	41.9	67.0	72.9	50.2	56.0
31.25	10.5	10.5	51.9	51.9	49.9	49.9	23.6	23.6	37.9	37.9	34.9	34.9	41.1	39.1	67.0	72.9	48.3	54.1
62.5	15.0	15.0	47.4	47.4	45.4	45.4	21.5	21.5	31.9	31.9	28.9	28.9	32.1	30.3	65.6	71.4	42.3	48.1
100	19.1	19.1	44.3	44.3	42.3	42.3	20.1	20.1	27.8	27.8	24.8	24.8	25.0	23.0	62.5	68.3	38.2	44.0
200	27.6	27.6	39.8	39.8	37.8	37.8	18.0	18.0	21.8	21.8	18.8	18.8	12.0	10.0	58.0	63.8	32.2	38.0
250	31.1	31.1	38.3	38.3	36.3	36.3	17.3	17.3	19.8	19.8	16.8	16.8	7.1	5.1	56.5	62.3	30.2	35.9
300	34.3	34.3	37.1	37.1	35.1	35.1	16.8	16.8	18.3	18.3	15.3	15.3	2.5	0.8	55.3	61.1	28.7	34.5
400	40.1	40.1	35.3	35.3	33.3	33.3	15.9	15.9	15.8	15.8	12.8	12.8	-	-	53.5	59.1	26.2	32.1
500	45.3	45.3	33.8	33.8	31.8	31.8	15.2	15.2	13.8	13.8	10.8	10.8	-	-	52.0	57.9	24.2	30.0

1: ANSI/TIA-568-C.2 horizontal cable transmission performance limits

2: SIGNAMAX guaranteed performance

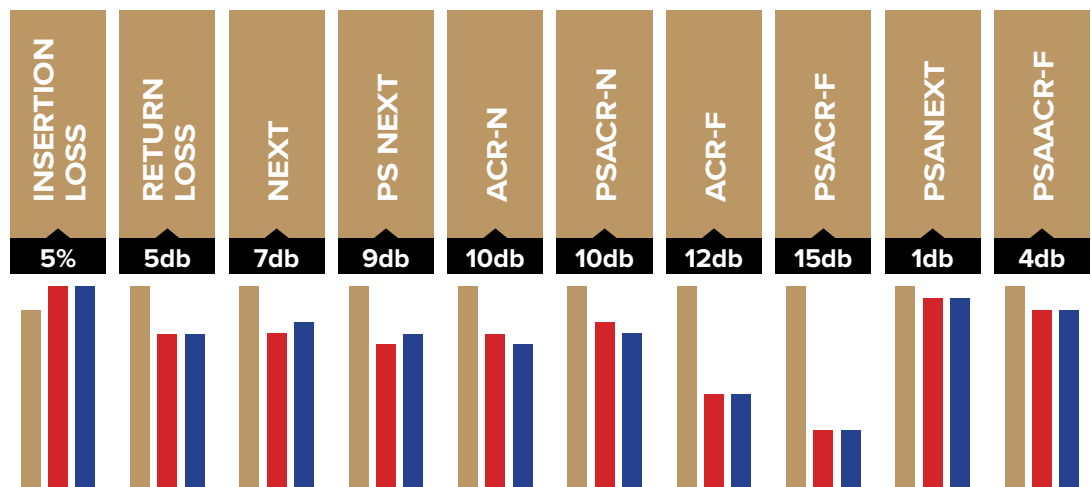


CAT 6A SYSTEM

- ENSURES IEEE 802.3AN 10 GIGABIT ETHERNET PERFORMANCE
- EXCEEDS ANSI/TIA-568-C.2 COMPONENT PERFORMANCE SPECIFICATIONS
- ABILITY TO HANDLE FULL-LOAD AMPERAGE TO SUPPORT POWER OVER ETHERNET
 - DESIGNED TO ELIMINATE ALIEN CROSSTALK
- RECOMMENDED FOR EDUCATION, HEALTHCARE, & DATA CENTER APPLICATIONS
- SYSTEM INCLUDES KEYSTONE JACKS, PATCH PANELS, PATCH CORDS, & CABLE

CAT
6A

CATEGORY 6A U/UTP CHANNEL PERFORMANCE MARGINS

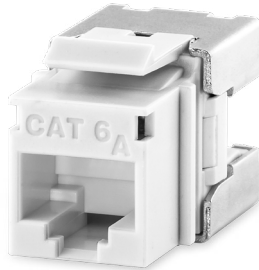


■ SIGNAMAX
■ TIA
■ IEC

Category 6A Unscreened Keystone Jacks

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Meets IEEE 802.3an 10 Gigabit Ethernet transmission requirements
- Minimizes alien crosstalk with solid-metal cable-retention cap
- Slim profile for the highest density applications
- Compatible with Signamax snap-in patch panels and work area faceplates
- Improved wire retention and ease of termination with rear 110 type contacts
- Circuit identification icons and dust covers included in the jack's package



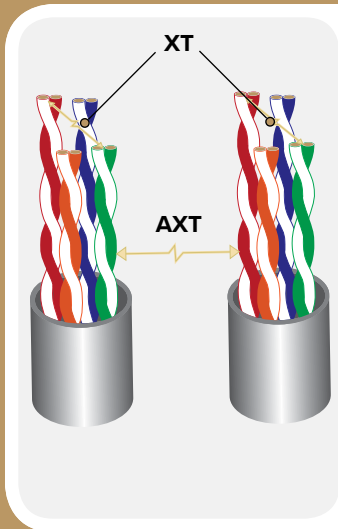
Category 6A MT-Series Unscreened Keystone Jacks

ORDERING INFORMATION

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

For other colors add the following to P/N : WH DI YE OR RD BU GN GY BK

TECH TIP FOCUS: ALIEN CROSSTALK (AXT)



ALIEN CROSSTALK - DEFINED, EMPHASIZED & ACKNOWLEDGED

Alien crosstalk (AXT) is a noise created in copper cable's pairs or connector's circuitry by all combined external electromagnetic (EM) noise sources (in contrast to inter-pair crosstalk (XT) such as NEXT/ACRF that is interference between pairs within the same cable). The overwhelming portion of AXT noise is generated by other cables in the vicinity, that's why AXT is often called "inter-cable interference".

Controlling AXT is especially critical for normal functioning of applications using all four pairs in duplex mode for transmission simultaneously (e.g., 10GBASE-T and other "multi-gigabit" techniques) when inter-pair XT can be effectively cancelled by receivers since they "know" what their "native" transceivers send down the line, while AXT is unpredictable since it's coming from "unknown" ("alien") sources.

Eliminating/reducing AXT, The following methods are commonly used: spatial separation of cables & connectors, screening (shielding).

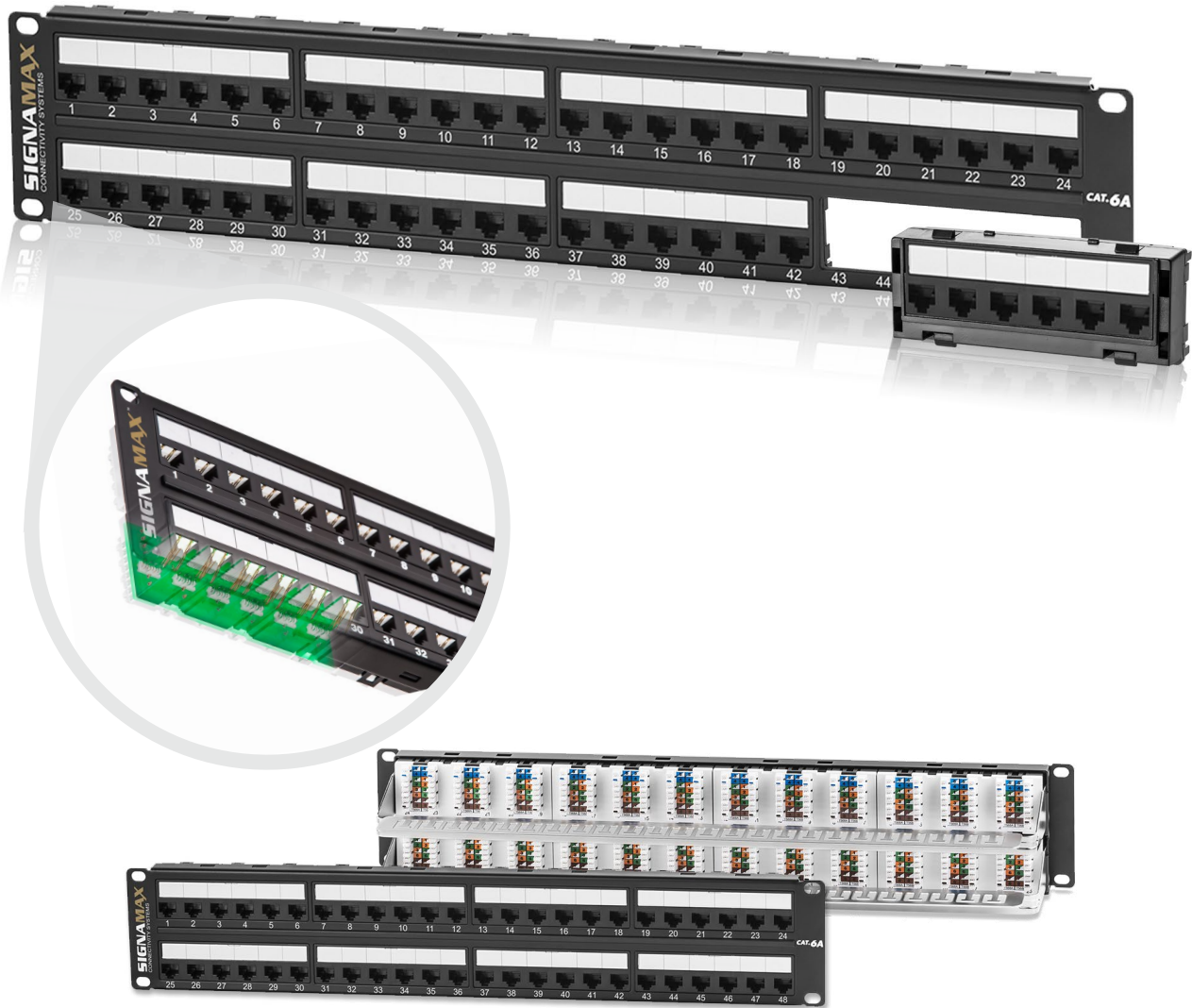
Technical Support: techsupport@signamax.com or 1.800.446.2377



Category 6A MD-Series Unscreened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 transmission performance
- Meets IEEE 802.3an 10 Gigabit Ethernet transmission requirements
- Modular blocks with built-in PCB-based jack modules ensure Category 6A parameters
- Easy-to-read T568A/B wiring scheme color-coded label
- Snap-in rear cable management bar
- 110-type connectors' orientation guarantees excellent alien cross-talk parameters
- Port designation features along each port for quick identification
- Cold-rolled steel construction for maximum strength and durability



Category 6A MD-Series Unscreened Patch Panels

ORDERING INFORMATION

PART NO.	DESCRIPTION
24458MD-C6AC	24-Port Category 6A MD-Series Patch Panel, 1 RMU
48458MD-C6AC	48-Port Category 6A MD-Series Patch Panel, 2 RMU

Category 6A MT-Series Unscreened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Meets IEEE 802.3an 10 Gigabit Ethernet transmission requirements
- Minimizes alien crosstalk with solid-metal cable-retention cap
- Snap-in rear cable management bar
- Angled design eliminates the need for cable management panels saving space
- Improved wire retention and ease of termination with rear 110 type contacts



Category 6A MT-Series Unscreened Patch Panels

ORDERING INFORMATION

PART NO.	DESCRIPTION
24458-C6A	24-Port Category 6A MT-Series Patch Panel, 1 RMU
48458-C6A	48-Port Category 6A MT-Series Patch Panel, 2 RMU
72458-C6A	72-Port Category 6A MT-Series Patch Panel, 2 RMU

Panels are supplied as a kit, which includes the panel, black MT-Series unscreened jacks per port count, a cable management bar per RMU, and cable ties. For panels with other keystone jack color options contact Customer Service.



Category 6A MT-Series Unscreened Angled Patch Panels

ORDERING INFORMATION

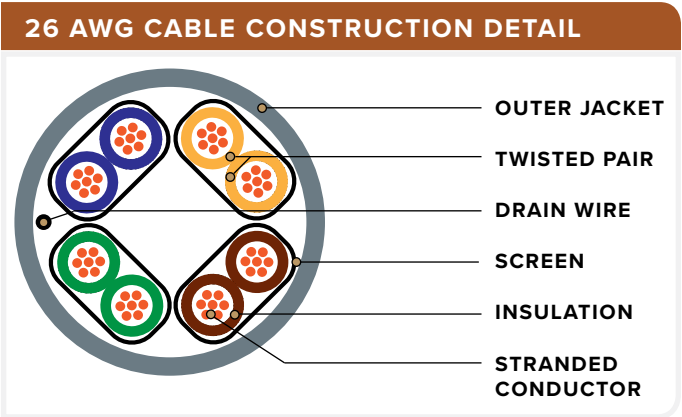
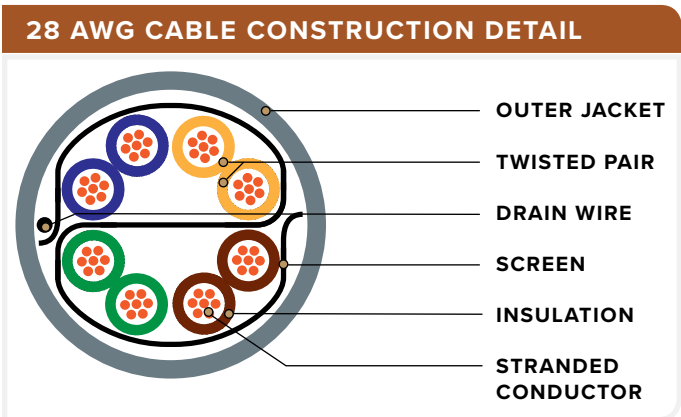
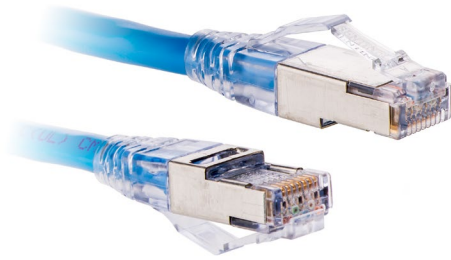
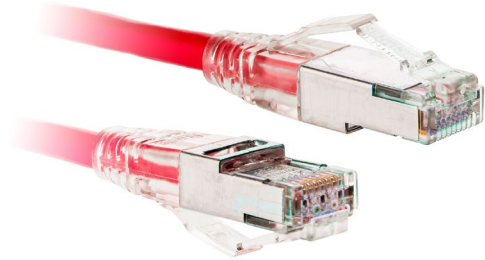
PART NO.	DESCRIPTION
24458A-C6A	24-Port Category 6A MT-Series Angled Patch Panel, 1 RMU
48458A-C6A	48-Port Category 6A MT-Series Angled Patch Panel, 2 RMU
72458A-C6A	72-Port Category 6A MT-Series Angled Patch Panel, 2 RMU

Panels are supplied as a kit, which includes the panel, black MT-Series unscreened jacks per port count, and cable ties. For panels with other keystone jack color options contact Customer Service.

Category 6A Patch Cords

KEY FEATURES

- Protection against ANEXT & EMI
- 100% factory tested per ANSI/TIA-568-C.2 to ensure category 6A component performance
- Supports IEEE 802.3at PoE+ performance standard
- Available in 26 AWG or the slimmer 28 AWG
- 28 AWG's smaller diameter cord allows better air flow and less clutter
- Both offer a snag-free boot design protecting the plug latch
- ETL verified screened cable
- Meets IEEE 802.3an 10-Gigabit Ethernet transmission requirements



Category 6A Screened 26 AWG Patch Cords

ORDERING INFORMATION

PART NO.	DESCRIPTION
C6AS-314CC-LFB	Category 6A 26 AWG Screened Patch Cord with Snag-Proof Boots

Specify cable jacket color by substituting **CC** in P/N for the following: WH YE RD BU GN GY BK

Specify cable length by substituting **L** in P/N for the following:

3: 3 ft **5**: 5 ft **7**: 7 ft **10**: 10 ft **15**: 15 ft **20**: 20 ft **25**: 25 ft

P/N Example: **C6AS-314BU-3FB** - Cat 6A Screened Patch Cord with Snag-Proof Boots, Blue, 3 ft

Category 6A Screened 28 AWG Patch Cords

ORDERING INFORMATION

PART NO.	DESCRIPTION
C6AS-328CC-LFB	Category 6A 28 AWG Screened Patch Cord with Snag-Proof Boots

Specify cable jacket color by substituting **CC** in P/N for the following: WH YE RD BU GN GY BK

Specify cable length by substituting **L** in P/N for the following:

3: 3 ft **5**: 5 ft **7**: 7 ft **10**: 10 ft **15**: 15 ft **20**: 20 ft **25**: 25 ft

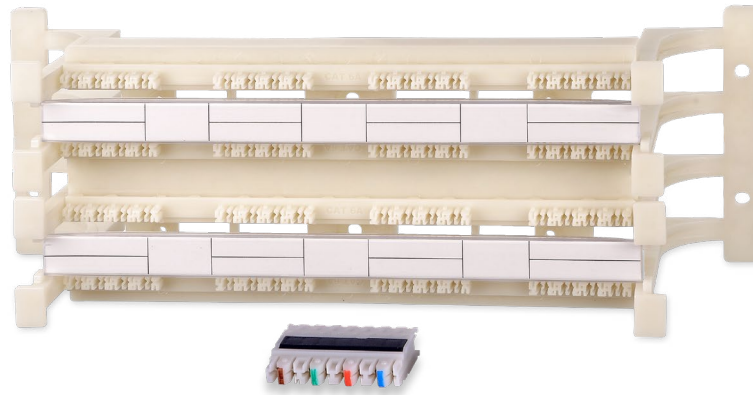
P/N Example: **C6AS-328BU-3FB** - Cat 6A Screened Patch Cord with Snag-Proof Boots, Blue, 3 ft

CUSTOM LENGTH PATCH CORDS ARE AVAILABLE, CONTACT CUSTOMER SERVICE FOR SPECIAL ORDERS.

Category 6A Cross-Connects

KEY FEATURES

- Supports ANSI/TIA-568-C.2 Category 6A channel performance
- Prevents alien crosstalk (AXT) with integrated spacing between connecting blocks.
- Mounting legs offer simple cable management by routing cable behind the block
- Designation features along each row of connecting blocks for quick identification
- Constructed with high-impact thermoplastic that is rated UL94V-0 fire-retardant
- Compatible with Signamax 110 patch cords



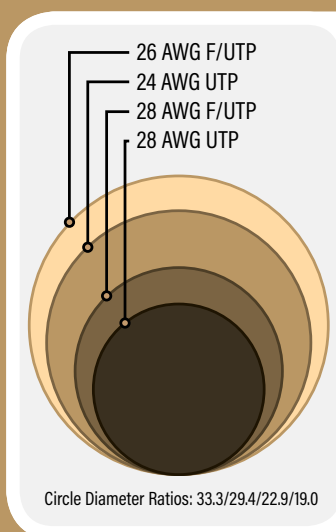
Category 6A 110 Wiring Blocks Kits

ORDERING INFORMATION

PART NO.	DESCRIPTION
110WB6A-32PR-L	Category 6A 32-Pair Kit With Mounting Legs, (8) 4-Pair Connecting Blocks and 1 Designation Label
110WB6A-64PR-L	Category 6A 64-Pair Kit With Mounting Legs, (16) 4-Pair Connecting Blocks and 2 Designation Labels
110WB6A-192PR-L	Category 6A 192-Pair Kit With Mounting Legs, (48) 4-Pair Connecting Blocks and 6 Designation Labels

For Wiring Blocks without Legs delete **L** from P/N.

TECH TIP FOCUS: 24 AWG VS 28 AWG



THE SIGNIFICANT ROLE OF A CONDUCTOR'S SIZE

Conductor size plays significant role in twisted-pair cable transmission performance, predominantly in insertion loss or cable's ability to attenuate signal and cause voltage drop in power transmission, in both cases limiting maximum distance at which cable can operate effectively. The larger the conductor diameter (lower AWG), the lower its electrical resistance and greater the operating distance.

Parameter	Solid	Stranded			
		24	26	28	
		U/UTP	F/UTP	U/UTP	F/UTP
DC Resistance (Ohm/ft)	0.025	0.03	0.04	0.07	
Typical Cable Diameter (in)	0.20	0.23	0.26	0.15	0.18
Length De-rating Factor	1.0	0.8	0.5	0.3	

However, in the case with cords, distance may not have such importance as cable flexibility, size, and/or weight. The table shows the most significant differences between cords built using different conductors:

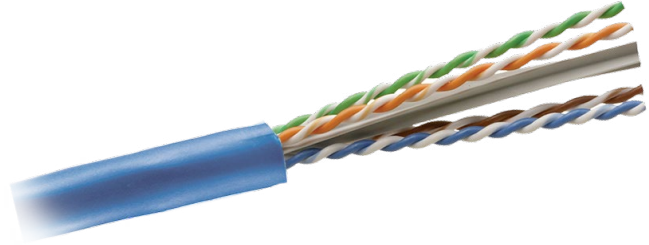
Technical Support: techsupport@signamax.com or 1.800.446.2377



Category 6A Unscreened Cable

KEY FEATURES

- ANSI/TIA 568-C.2 category 6A verified
- ISO/IEC 11801 2nd Ed. category 6_A compliant
- Integrated EMI guard for reduced cable diameter & improved AXT performance
- UL listed CMP, CSA Type FT6
- Supports PoE up to 100 Watts
- Reach & RoHS 2 compliant
- Made in USA



Category 6A Unscreened CMP Cable

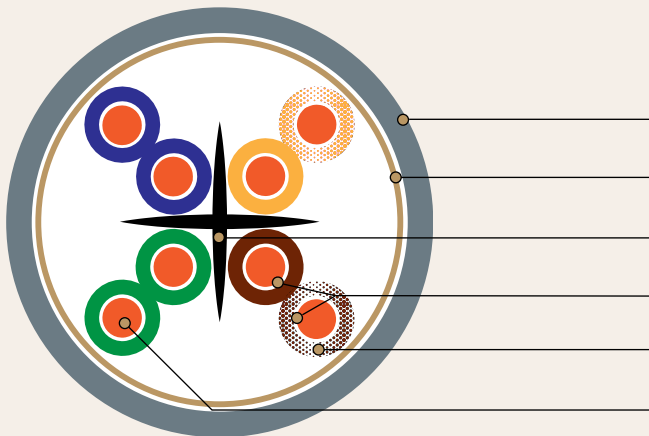
ORDERING INFORMATION

PART NO.	DESCRIPTION
BC6A-2111B-CC	Category 6A U/UTP 4 pair 23 AWG solid cable, CMP, 1,000 ft (305 m)

Specify cable jacket color by substituting **CC** in P/N for the following: **WH** **BU**

For other cable jacket colors, contact customer service.

CABLE CONSTRUCTION DETAIL



BC6A-2111

- OUTER JACKET
- EMI GUARD
- PAIR SEPARATOR
- TWISTED PAIR
- INSULATION
- SOLID CONDUCTOR

Category 6A Unscreened Cable

SPECIFICATIONS

ELECTRICAL

Maximum Delay Skew: 45 ns/100 m
Input Impedance: 100±15 Ohm (1-100 MHz)
 100±20 Ohm (101-250 MHz)
 100±25 Ohm (251-500 MHz)

CONSTRUCTION

Conductor Size: 23 AWG
Conductor Material: Solid bare copper
EMI Guard
Pair Count: 4 Pairs
Jacket Material: Plenum rated flame-retardant thermoplastic
Overall Cable Diameter: 0.28 in (7.0 mm)
Packaging: 1,000 ft (305 m)

ENVIRONMENTAL

Temperature:
Installation: 0°C to 60°C (32°F to 140°F)
Storage: -40°C to 60°C (-40°F to 140°F)
Operating: -20°C to 75°C (-4°F to 167°F)

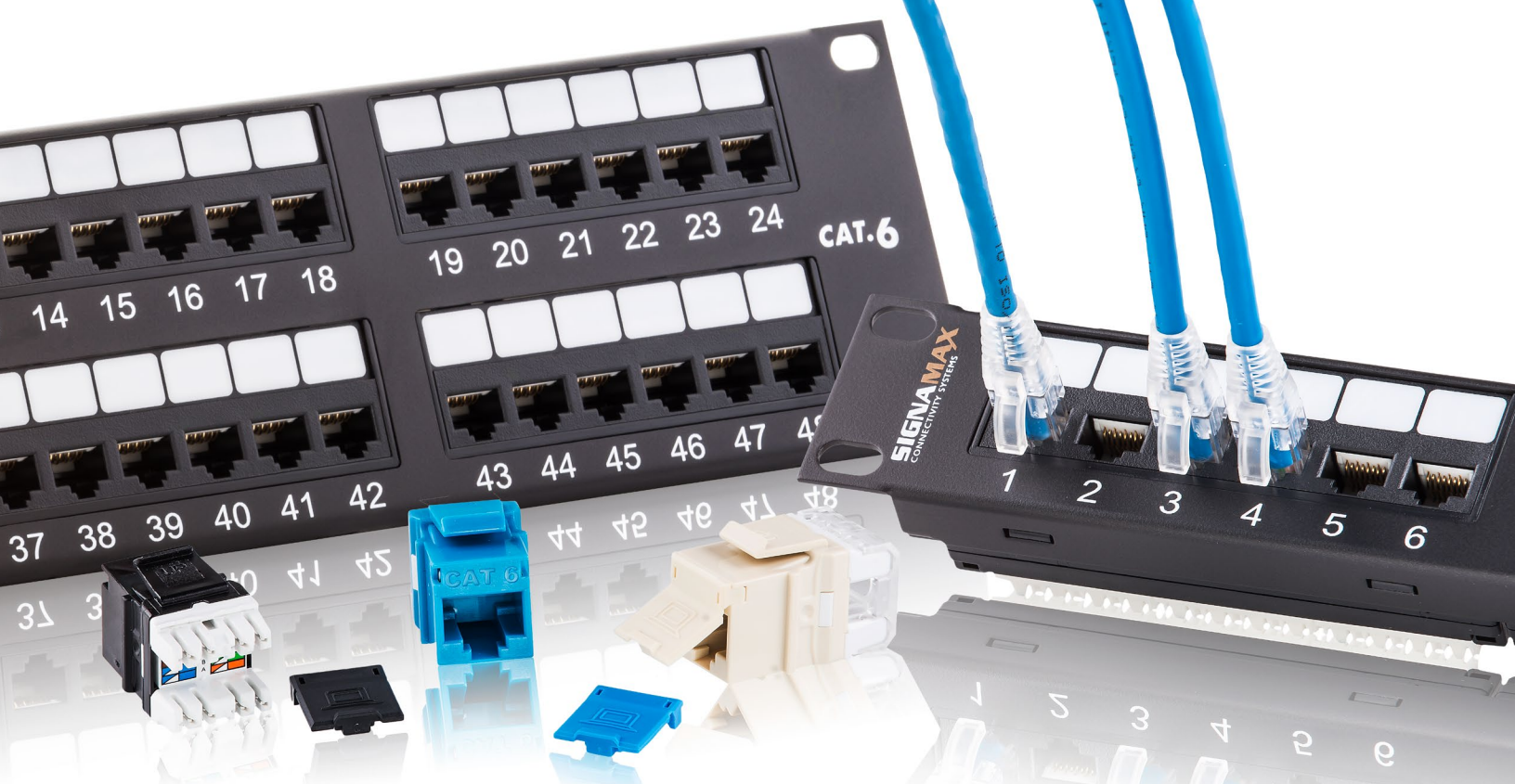
APPLICATIONS

Ethernet: IEEE 802.3u (100 Mbps), IEEE 802.3ab (1 Gbps), IEEE 802.3bz (2.5/5 Gbps), IEEE 802.3an (10 Gbps); ATM: 622 Mbps, 1000 Mbps; PoE: IEEE 802.3af (15 W), IEEE 802.3at (30 W +), IEEE 802.3bt Type 3 (60 W ++), IEEE 802.3bt Type 4 (100 W ++)

TRANSMISSION PERFORMANCE

F, MHz	INSERTION LOSS, dB		NEXT LOSS, dB		PSNEXT LOSS, dB		RETURN LOSS, dB		ACRF, dB		PSACRF, dB		ACR, dB		PSACR, dB		PSANEXT LOSS, dB		PSAACRF LOSS, dB	
	TIA ¹	MAX ²	TIA ¹	MIN ²	TIA ¹	MIN ²	TIA ¹	MIN ²	TIA ¹	MIN ²	TIA ¹	MIN ²	MIN	MIN ²	TIA ¹	MIN ²	TIA ¹	MIN ²		
1	2.1	2.1	74.3	74.3	72.3	72.3	20.0	20.0	67.8	67.8	64.8	64.8	72.0	70.0	67.0	72.9	67.0	72.8		
4	3.8	3.8	65.3	65.3	63.3	63.3	23.0	23.0	55.8	55.8	52.8	52.8	61.3	59.3	67.0	72.9	66.2	72.0		
8	5.3	5.3	60.8	60.8	58.8	58.8	24.5	24.5	49.7	49.7	46.7	46.7	55.1	53.1	67.0	72.9	60.1	65.9		
10	5.9	5.9	59.3	59.3	57.3	57.3	25.0	25.0	47.8	47.8	44.8	44.8	53.2	51.2	67.0	72.9	58.2	64.0		
16	7.5	7.5	56.2	56.2	54.2	54.2	25.0	25.0	43.7	43.7	40.7	40.7	48.5	46.5	67.0	72.9	54.1	59.9		
20	8.4	8.4	54.8	54.8	52.8	52.8	25.0	25.0	41.8	41.8	38.8	38.8	46.2	44.2	67.0	72.9	52.2	58.0		
25	9.4	9.4	53.3	53.3	51.3	51.3	24.3	24.3	39.8	39.8	36.8	36.8	39.9	41.9	67.0	72.9	50.2	56.0		
31.25	10.5	10.5	51.9	51.9	49.9	49.9	23.6	23.6	37.9	37.9	34.9	34.9	41.1	39.1	67.0	72.9	48.3	54.1		
62.5	15.0	15.0	47.4	47.4	45.4	45.4	21.5	21.5	31.9	31.9	28.9	28.9	32.1	30.3	65.6	71.4	42.3	48.1		
100	19.1	19.1	44.3	44.3	42.3	42.3	20.1	20.1	27.8	27.8	24.8	24.8	25.0	23.0	62.5	68.3	38.2	44.0		
200	27.6	27.6	39.8	39.8	37.8	37.8	18.0	18.0	21.8	21.8	18.8	18.8	12.0	10.0	58.0	63.8	32.2	38.0		
250	31.1	31.1	38.3	38.3	36.3	36.3	17.3	17.3	19.8	19.8	16.8	16.8	7.1	5.1	56.5	62.3	30.2	35.9		
300	34.3	34.3	37.1	37.1	35.1	35.1	16.8	16.8	18.3	18.3	15.3	15.3	2.5	0.8	55.3	61.1	28.7	34.5		
400	40.1	40.1	35.3	35.3	33.3	33.3	15.9	15.9	15.8	15.8	12.8	12.8	-	-	53.5	59.1	26.2	32.1		
500	45.3	45.3	33.8	33.8	31.8	31.8	15.2	15.2	13.8	13.8	10.8	10.8	-	-	52.0	57.9	24.2	30.0		

1: ANSI/TIA-568-C.2 horizontal cable transmission performance limits
 2: SIGNAMAX guaranteed performance

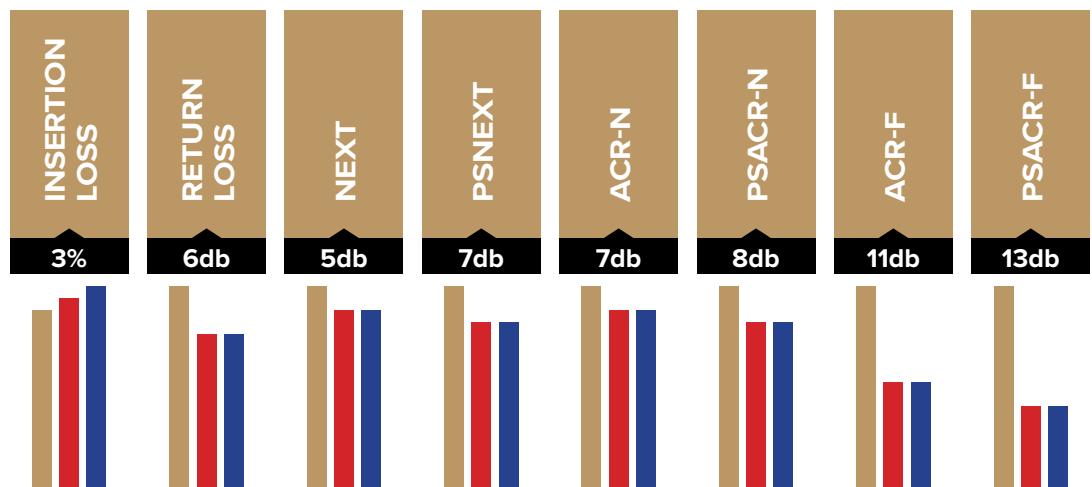


CAT 6 SYSTEM

- EXCEEDS ANSI/TIA-568-C.2 COMPONENT PERFORMANCE SPECIFICATIONS
 - AVAILABLE FOR SCREENED OR UNSCREENED INSTALLATIONS
 - DESIGNED TO OFFER BANDWIDTH BEYOND 250 MHZ
- RECOMMENDED FOR COMMERCIAL BUILDINGS, EDUCATION, & HOME OFFICE APPLICATIONS
- SYSTEM INCLUDES KEYSTONE JACKS, PATCH PANELS, PATCH CORDS, CONNECTING BLOCKS, & CABLE

CAT
6

CATEGORY 6 U/UTP CHANNEL PERFORMANCE MARGINS



Category 6 Keystone Jacks

KEY FEATURES

- Exceeds TIA-568-C.2 component performance
- Supports TIA-568-C.2 category 6 100-meter channel performance
- Compatible with Signamax snap-in patch panels and work area faceplates
- Circuit identification icons and dust covers included in MT & EC-series kits

Category 6 MT-Series Unscreened Keystone Jacks

KEY FEATURES

- Rear 180-degree 110 type contacts offer effortless termination and improved wire retention
- Eco-friendly bulk packaging option with a resealable bag

ORDERING INFORMATION

PART NO.	DESCRIPTION
KJ458MT-C6C	Category 6 MT-Series Keystone Jack, T568A/B Wiring, Light Ivory
KJ458MT25-C6C	Category 6 MT-Series Keystone Jack, T568A/B Wiring, Light Ivory, 25-Pack

For other colors add the following to P/N: WH DI YE OR RD BU GN GY BK



Category 6 EC-Series Unscreened Keystone Jacks

KEY FEATURES

- Improved conductor retention with 90-degree 110 termination
- Eco-friendly bulk packaging with a resealable bag

ORDERING INFORMATION

PART NO.	DESCRIPTION
KJ458EC25-C6	Category 6 EC-Series Keystone Jack, T568A/B Wiring, Light Ivory, 25-Pack

For other colors add the following to P/N: WH YE OR RD BU GN GY BK



Category 6 MT-Series Screened Keystone Jacks

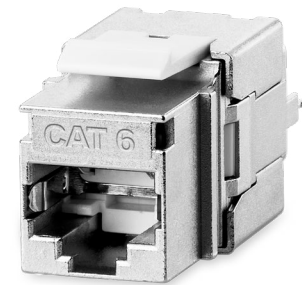
KEY FEATURES

- Overall solid-metal shielding design for 360-degree screen coverage
- Rear 110 type contacts offer effortless termination and improved wire retention

ORDERING INFORMATION

PART NO.	DESCRIPTION
KJS458MT-C6C	Category 6 MT-Series Screened Keystone Jack, T568A/B Wiring

Standard circuit identification icons/dust covers are Light Ivory. Additional color options sold separately.



Category 6 Screened Toolless Keystone Jacks

KEY FEATURES

- Overall solid-metal shielding design for 360-degree screen coverage
- Integrated toolless termination cap eliminates the need of any special tools

ORDERING INFORMATION

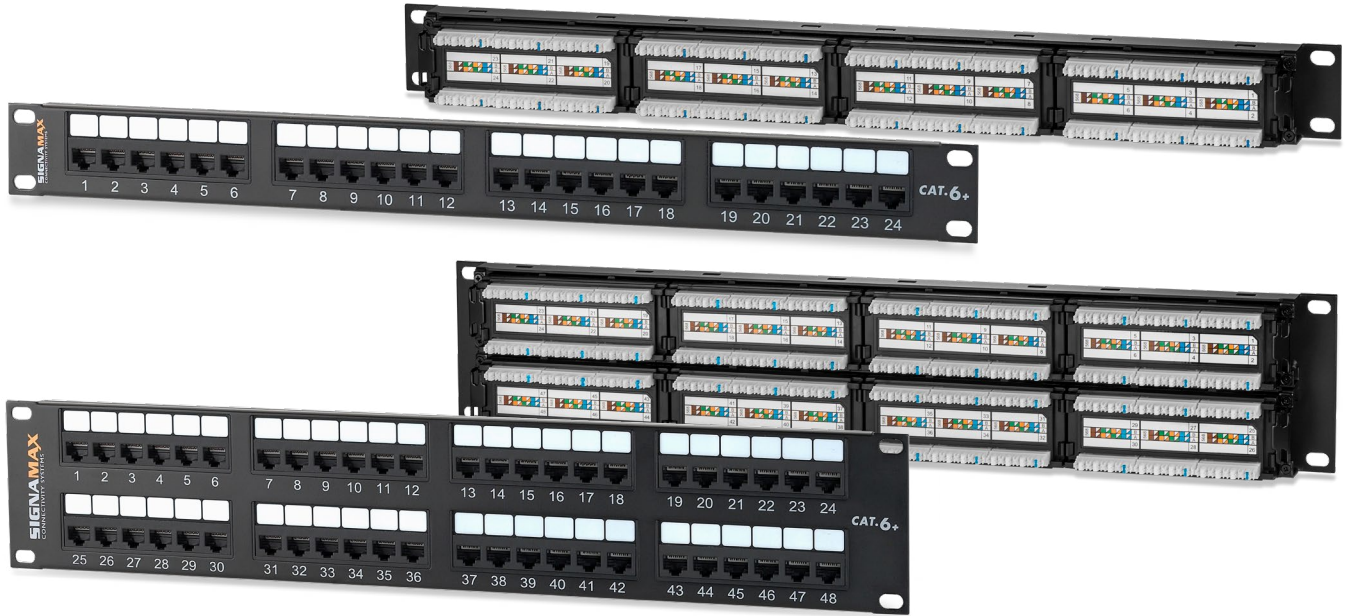
PART NO.	DESCRIPTION
KJS458TL-C6C	Category 6 Screened Toolless Keystone Jack, T568A/B Wiring



Category 6 MD-Series Unscreened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Modular blocks with built-in PCB-based jacks ensure Category 6 parameters
- Easy-to-read T568A/B wiring scheme color-coded label
- Port designation features along each port for quick identification
- Designed for optional snap-in cable management bar
- Cold-rolled steel construction for maximum strength and durability



Category 6 MD-Series Unscreened Patch Panels

ORDERING INFORMATION

PART NO.	DESCRIPTION
12458MD-C6C	12-Port Category 6 MD-Series Patch Panel, 1 RMU
24458MD-C6C	24-Port Category 6 MD-Series Patch Panel, 1 RMU
48458MD-C6C	48-Port Category 6 MD-Series Patch Panel, 2 RMU

Optional cable management accessories sold separately; refer to page F5.

REAR CABLE MANAGEMENT



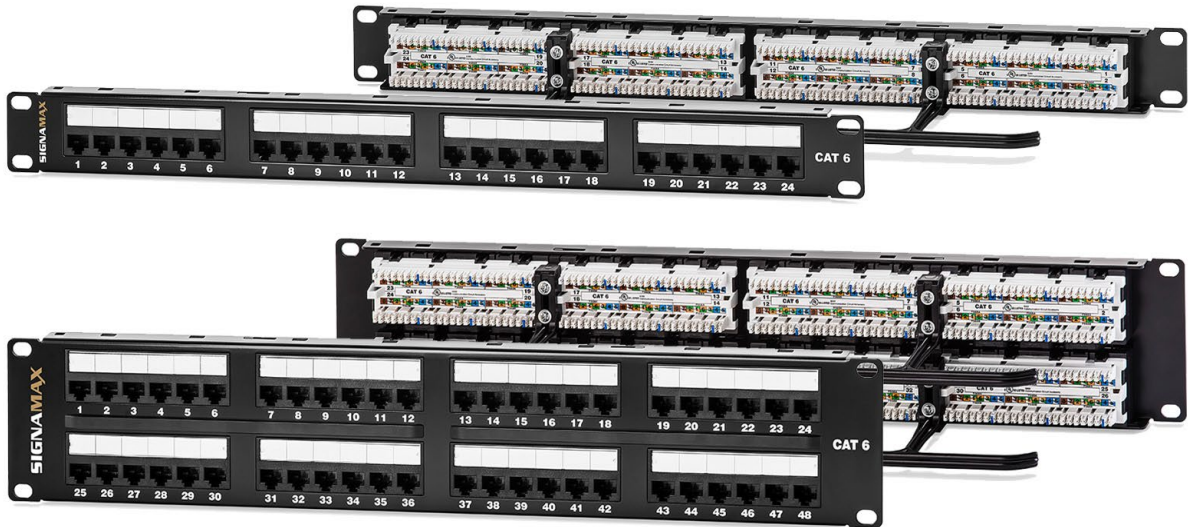
FRONT CABLE MANAGEMENT



Category 6 EC-Series Unscreened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 Category 6 component performance
- Modular blocks with built-in PCB-based jacks ensure Category 6 parameters
- Hinged clear windows over each set of ports for quick identification
- Removable (screwed-on) rear cable management bar
- Standard termination with single-position or multi-pair 110 termination tools
- Easy-to-read T568A/B wiring scheme color-coded label
- Cold-rolled steel construction for maximum strength and durability

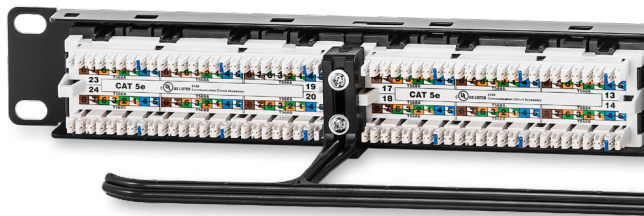


Category 6 EC-Series Unscreened Patch Panels

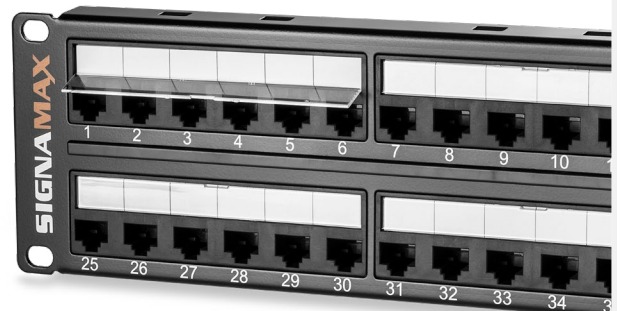
ORDERING INFORMATION

PART NO.	DESCRIPTION
24458EC-C6	24-Port Category 6 EC-Series Patch Panel, 1 RMU
48458EC-C6	48-Port Category 6 EC-Series Patch Panel, 2 RMU

REMOVABLE CABLE MANAGEMENT



HINGED LABELING WINDOW



Category 6 MT-Series Unscreened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Improved wire retention and ease of termination with rear 110 type contacts
- Angled design eliminates the need for cable management panels saving space
- Cold-rolled steel construction for maximum strength and durability
- Snap-in rear cable management bar



Category 6 MT-Series Unscreened Patch Panels

ORDERING INFORMATION

PART NO.	DESCRIPTION
24458-C6C	24-Port Category 6 MT-Series Patch Panel, 1 RMU
48458-C6C	48-Port Category 6 MT-Series Patch Panel, 2 RMU
72458-C6C	72-Port Category 6 MT-Series Patch Panel, 2 RMU
48458HD-C6C	48-Port Category 6 MT-Series Patch Panel, 1 RMU

Panels are supplied as a kit, which includes the panel, black MT-Series unscreened jacks per port count, a cable management bar per RMU, and cable ties. For panels with other keystone jack color options contact Customer Service.



Category 6 MT-Series Unscreened Angled Patch Panels

ORDERING INFORMATION

PART NO.	DESCRIPTION
24458A-C6C	24-Port Category 6 MT-Series Angled Patch Panel, 1 RMU
48458A-C6C	48-Port Category 6 MT-Series Angled Patch Panel, 2 RMU
72458A-C6C	72-Port Category 6 MT-Series Angled Patch Panel, 2 RMU

Panels are supplied as a kit, which includes the panel, black MT-Series unscreened jacks per port count, and cable ties. For panels with other keystone jack color options contact Customer Service.

Category 6 MT-Series Screened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Overall solid-metal shielding design for 360-degree screen coverage
- Improved wire retention and ease of termination with rear 110 type contacts
- Angled design eliminates the need for cable management panels saving space
- Cold-rolled steel construction for maximum strength and durability
- Snap-in rear cable management bar



Category 6 MT-Series Screened Patch Panels

ORDERING INFORMATION

PART NO.	DESCRIPTION
24458S-C6C	24-Port Category 6 MT-Series Screened Patch Panel, 1 RMU
48458S-C6C	48-Port Category 6 MT-Series Screened Patch Panel, 2 RMU
72458S-C6C	72-Port Category 6 MT-Series Screened Patch Panel, 2 RMU

Panels are supplied as a kit, which includes the panel, MT-Series screened jacks per port count, a cable management bar per RMU, and cable ties.



Category 6 MT-Series Screened Angled Patch Panels

ORDERING INFORMATION

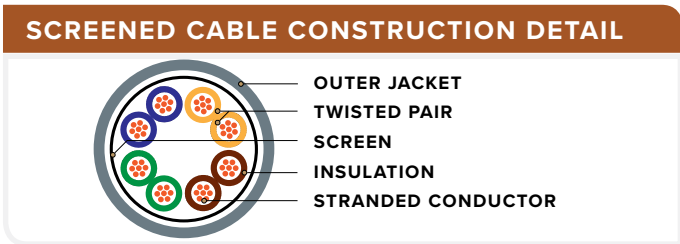
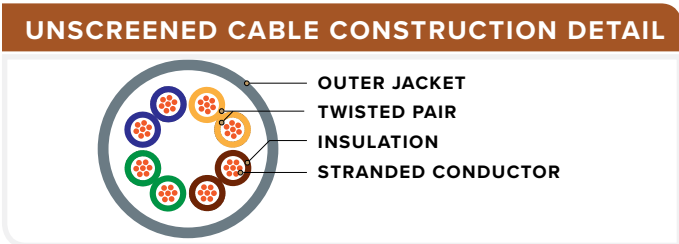
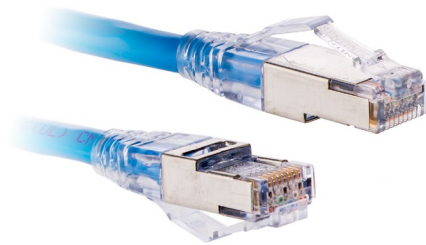
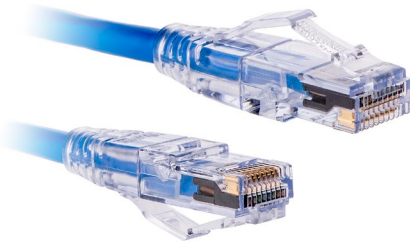
PART NO.	DESCRIPTION
24458SA-C6C	24-Port Category 6 MT-Series Screened Angled Patch Panel, 1 RMU
48458SA-C6C	48-Port Category 6 MT-Series Screened Angled Patch Panel, 2 RMU
72458SA-C6C	72-Port Category 6 MT-Series Screened Angled Patch Panel, 2 RMU

Panels are supplied as a kit, which includes the panel, MT-Series screened jacks per port count, and cable ties.

Category 6 Patch Cords

KEY FEATURES

- 100% factory transmission tested per ANSI/TIA-568-C.2 to ensure category 6 component level performance
- Screened version eliminates EM interference
- 28 AWG offers 50% less cordage for additional flexibility & easier routing through cable management
- ETL verified screened and unscreened stranded cable
- Seven standard lengths & eight jacket colors for the unscreened option
- Slim-profile & snag-free boot designed for the highest density applications



Category 6 28 AWG Unscreened Patch Cords

KEY FEATURES

PART NO.	DESCRIPTION
C6C-128 CC -LFB	Category 6 28 AWG Unscreened Patch Cord with Snag-Proof Boots
Specify cable jacket color by substituting CC in P/N for the following: WH YE RD BU GY BK	
Specify cable length by substituting L in P/N for the following: 3 : 3 ft 5 : 5 ft 7 : 7 ft 10 : 10 ft 15 : 15 ft 20 : 20 ft 25 : 25 ft	
P/N Example: C6C-114BU-3FB - Cat 6 Unscreened Patch Cord with Snag-Proof Boots, Blue, 3 ft	

Category 6 24 AWG Unscreened Patch Cords

ORDERING INFORMATION

PART NO.	DESCRIPTION
C6C-114 CC -LFB	Category 6 24 AWG Unscreened Patch Cord with Snag-Proof Boots
Specify cable jacket color by substituting CC in P/N for the following: WH YE OR RD BU GN GY BK	
Specify cable length by substituting L in P/N for the following: 3 : 3 ft 5 : 5 ft 7 : 7 ft 10 : 10 ft 15 : 15 ft 20 : 20 ft 25 : 25 ft	
P/N Example: C6C-114BU-3FB - Cat 6 Unscreened Patch Cord with Snag-Proof Boots, Blue, 3 ft	

Category 6 26 AWG Screened Patch Cords

KEY FEATURES

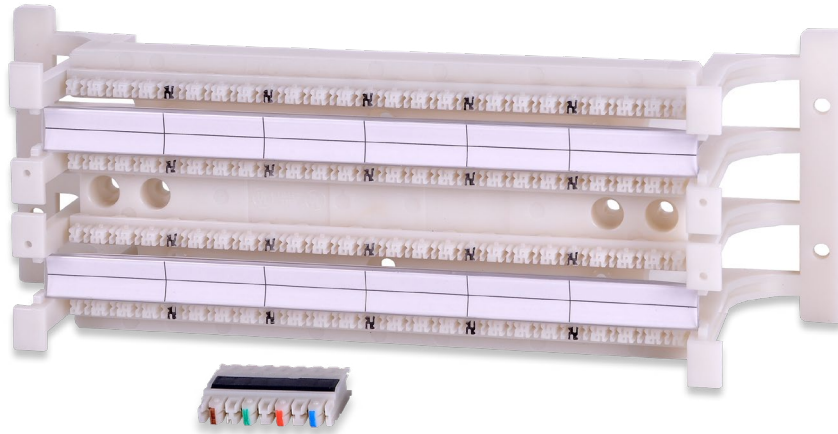
PART NO.	DESCRIPTION
C6CS-314 CC -LFB	Category 6 26 AWG Screened Patch Cord with Snag-Proof Boots
Specify cable jacket color by substituting CC in P/N for the following: WH YE OR RD BU GN GY BK	
Specify cable length by substituting L in P/N for the following: 3 : 3 ft 5 : 5 ft 7 : 7 ft 10 : 10 ft 15 : 15 ft 20 : 20 ft 25 : 25 ft	
P/N Example: C6CS-114BU-3FB - Cat 6 Screened Patch Cord with Snag-Proof Boots, Blue, 3 ft	

CUSTOM LENGTH PATCH CORDS ARE AVAILABLE, CONTACT CUSTOMER SERVICE FOR SPECIAL ORDERS.

Category 6 Cross-Connects

KEY FEATURES

- Supports ANSI/TIA-568-C.2 Category 6 performance
- Mounting legs offer simple cable management by routing cable behind the block
- Compatible with Signamax 110 patch cords
- Designation features along each terminated IDC for quick identification
- Constructed with high-impact thermoplastic that is rated UL94V-0 fire-retardant



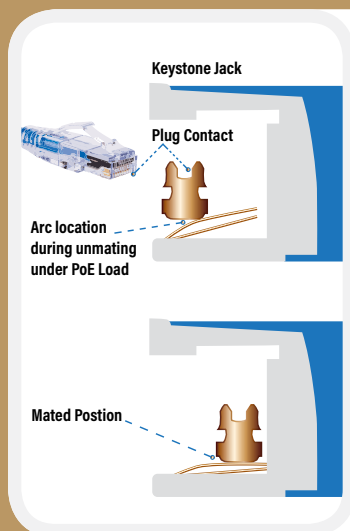
Category 6 110 Wiring Blocks Kits

ORDERING INFORMATION

PART NO.	DESCRIPTION
WBK6-48PRL4	Category 6 48-Pair Kit w/Mounting Legs, (12) 4-Pair Connecting Blocks and 1 Designation Label
WBK6-96PRL4	Category 6 96-Pair Kit w/Mounting Legs, (24) 4-Pair Connecting Blocks and 2 Designation Labels
WBK6-288PRL4	Category 6 288-Pair Kit w/Mounting Legs, (72) 4-Pair Connecting Blocks and 6 Designation Labels

For Wiring Blocks without Legs delete **L** from P/N.

TECH TIP FOCUS: PoE ARCING STANDARD



GOOD CONTACTS MAKE RELIABLE POWER TRANSMISSION LINES

Good contacts also applies to PoE (Power over Ethernet) technology. One of the biggest problems in power transmission systems is arcing that occurs when two contacts come at a very close distance to each other causing electrical breakdown of air between them.

When arcs form between contacts of a telecommunications socket and cord plug during their disconnection, etching effect of plasma removes material from contact gold plating gradually eroding contact surface; it also may create non-conductive film deposits of compounds chemically formed from air. All these factors lead to a fast contact degradation and transmission line malfunctioning.

However, the most recent efforts in design and technology of ICT connectors have resulted in higher resistance to arcing and a corresponding testing standard. Now, all you need to do before implementing a PoE installation is check if the connectors being used are in compliance with IEC 60512-99-001.

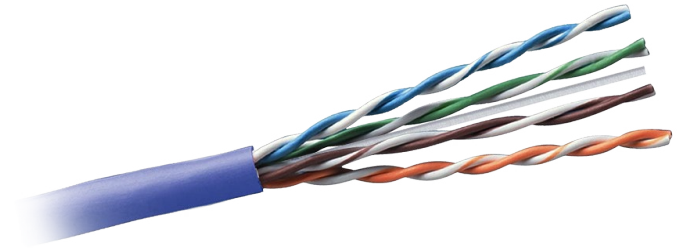
Technical Support: techsupport@signamax.com or 1.800.446.2377



Category 6 Cable

KEY FEATURES

- ANSI/TIA 568-C.2 category 6 verified
- Complies with ISO/IEC 11801 2nd Ed. category 6
- UL listed CMP & CMR
- Reach & RoHS 2 compliant
- Supports PoE up to 100 Watts



Category 6 Unscreened Cable

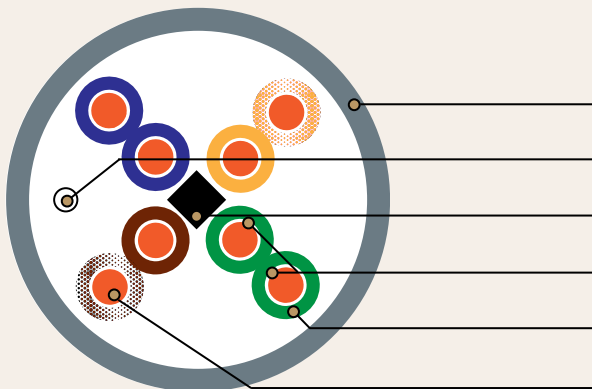
ORDERING INFORMATION

PART NO.	DESCRIPTION
BC6-2111B-CC	Category 6 Premium U/UTP 4 pair 23 AWG solid cable w/ pair separator, CMP, 1,000 ft (305 m), USA Made
BC6-2110B-CC	Category 6 U/UTP 4 pair 23 AWG solid cable, CMP, 1,000 ft (305 m), USA Made
BC6-2110A-CC	Category 6 U/UTP 4 pair 23 AWG solid cable, CMP, 1,000 ft (305 m), Intl. Made
BC6-2120A-CC	Category 6 U/UTP 4 pair 23 AWG solid cable, CMR, 1,000 ft (305 m), Intl. Made

Specify cable jacket color by substituting **CC** in P/N for the following: WH BU

For other cable jacket colors, contact customer service.

CABLE CONSTRUCTION DETAIL



BC6-2110 & 2111

OUTER JACKET

RIP CORD

PAIR SEPARATOR (BC6-2111B ONLY)

TWISTED PAIR

INSULATION

SOLID CONDUCTOR

Category 6 Cable

SPECIFICATIONS

ELECTRICAL

Maximum Delay Skew: 45 ns/100 m
Input Impedance: 100±15 Ohm (1-250 MHz)

CONSTRUCTION

Conductor Size: 23 AWG
Conductor Material: Solid bare copper
Pair Count: 4 Pairs
Plastic Materials:
Plenum: CMP rated flame-retardant thermoplastic
Riser: CMR rated flame-retardant thermoplastic
Overall Cable Diameter: 0.2 in (5.1 mm)
Packaging: 1,000 ft (305 m)

ENVIRONMENTAL

Temperature:
Installation: 0°C to 60°C (32°F to 140°F)
Storage: -40°C to 60°C (-40°F to 140°F)
Operating: -20°C to 75°C (-4°F to 167°F)

APPLICATIONS

Ethernet: IEEE 802.3u (100 Mbps), IEEE 802.3ab (1 Gbps), IEEE 802.3bz (2.5/5 Gbps); ATM: 622 Mbps, 1000 Mbps; PoE: IEEE 802.3af (15 W), IEEE 802.3at (30 W +), IEEE 802.3bt Type 3 (60 W ++), IEEE 802.3bt Type 4 (100 W ++)

TRANSMISSION PERFORMANCE

FREQUENCY (MHz)	INSERTION LOSS, dB		NEXT LOSS, dB		PSNEXT LOSS, dB		RETURN LOSS		ACRF, dB		PSACRF, dB		ACR, dB		PSACR, dB	
	TIA ¹	MAX ²	TIA ¹	MIN ²	TIA ¹	MIN ²	TIA ¹	MIN ²	TIA ¹	MIN ²	TIA ¹	MIN ²	CALC ³	MIN ²	CALC ⁴	MIN ²
1	2.0	2.0	74.3	74.3	72.3	72.3	20.0	20.0	67.8	67.8	64.8	64.8	72.3	72.3	70.3	70.3
4	3.8	3.8	65.3	65.3	63.3	63.3	23.0	23.0	55.8	55.8	52.8	52.8	61.5	61.5	59.5	59.5
8	5.3	5.3	60.8	60.8	58.8	58.8	24.5	24.5	49.7	49.7	46.7	46.7	55.4	55.4	53.4	53.4
10	6.0	6.0	59.3	59.3	57.3	57.3	25.0	25.0	47.8	47.8	44.8	44.8	53.3	53.3	51.3	51.3
16	7.6	7.6	56.2	56.2	54.2	54.2	25.0	25.0	43.7	43.7	40.7	40.7	48.7	48.7	46.7	46.7
31.25	10.7	10.7	51.9	51.9	49.9	49.9	23.6	23.6	37.9	37.9	34.9	34.9	41.2	41.2	39.2	39.2
62.5	15.4	15.4	47.4	47.4	45.4	45.4	21.5	21.5	31.9	31.9	28.9	28.9	32.0	32.0	30.0	30.0
100	19.8	19.8	44.3	44.3	42.3	42.3	20.1	20.1	27.8	27.8	24.8	24.8	24.5	24.5	22.5	22.5
200	29.0	29.0	39.8	39.8	37.8	37.8	18.0	18.0	21.8	21.8	18.8	18.8	10.8	10.8	8.8	8.8
250	32.8	32.8	38.3	38.3	36.3	36.3	17.3	17.3	19.8	19.8	16.8	16.8	5.5	5.5	3.5	3.5

CATEGORY 6 PREMIUM (BC6-2111) ONLY

FREQUENCY (MHz)	INSERTION LOSS, dB		NEXT LOSS, dB		PSNEXT LOSS, dB		RETURN LOSS		ACRF, dB		PSACRF, dB		ACR, dB		PSACR, dB	
	TIA ¹	MAX ²	TIA ¹	MIN ²	TIA ¹	MIN ²	TIA ¹	MIN ²	TIA ¹	MIN ²	TIA ¹	MIN ²	CALC ³	MIN ²	CALC ⁴	MIN ²
1	2.0	2.0	74.3	77.1	72.3	75.1	20.0	20.0	67.8	70.2	64.8	67.2	72.3	75.1	70.3	73.1
4	3.8	3.8	65.3	68.2	63.3	65.9	23.0	23.0	55.8	58.3	52.8	55.3	61.5	64.2	59.5	62.2
8	5.3	5.3	60.8	63.5	58.8	61.3	24.5	24.5	49.7	52.1	46.7	49.5	55.4	58.2	53.4	56.1
10	6.0	6.0	59.3	62.1	57.3	59.9	25.0	25.0	47.8	50.2	44.8	47.2	53.3	56.1	51.3	54.1
16	7.6	7.6	56.2	58.9	54.2	56.9	25.0	25.0	43.7	46.3	40.7	43.1	48.7	51.2	46.7	49.4
31.25	10.7	10.7	51.9	54.5	49.9	52.4	23.6	23.6	37.9	40.3	34.9	37.3	41.2	39.9	39.2	39.9
62.5	15.4	15.4	47.4	50.1	45.4	48.1	21.5	21.5	31.9	34.5	28.9	31.4	32.0	34.8	30.0	32.8
100	19.8	19.8	44.3	46.9	42.3	44.9	20.1	20.1	27.8	30.4	24.8	27.2	24.5	27.2	22.5	25.3
200	29.0	29.0	39.8	42.3	37.8	40.4	18.0	18.0	21.8	24.2	18.8	21.5	10.8	13.5	8.8	11.4
250	32.8	32.8	38.3	41.0	36.3	39.1	17.3	17.3	19.8	22.3	16.8	19.3	5.5	8.2	3.5	6.2

1: ANSI/TIA-568-C.2 horizontal cable transmission performance limits

2: SIGNAMAX guaranteed performance

3: Calculated, ACR=NEXT-IL

4: Calculated, PSACR=PSNEXT-IL

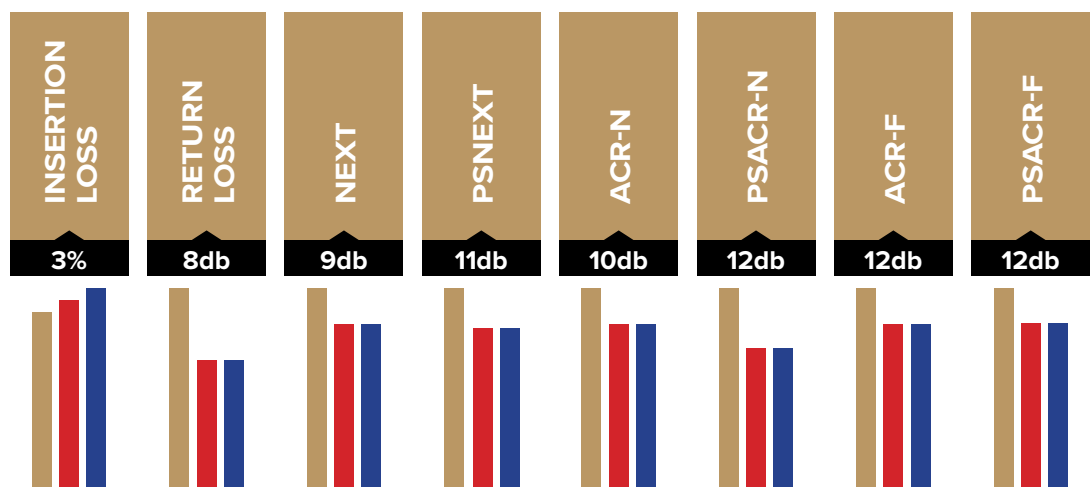


CAT 5e SYSTEM

- EXCEEDS ANSI/TIA-568-C.2 COMPONENT PERFORMANCE SPECIFICATIONS
 - AVAILABLE FOR SCREENED OR UNSCREENED INSTALLATIONS
 - DESIGNED TO OFFER BANDWIDTH BEYOND 250MHZ
- RECOMMENDED FOR COMMERCIAL BUILDINGS, EDUCATION, & HOME OFFICE APPLICATIONS
- SYSTEM INCLUDES KEYSTONE JACKS, PATCH PANELS, PATCH CORDS, CONNECTING BLOCKS & CABLE

CAT
5e

CATEGORY 5e U/UTP CHANNEL PERFORMANCE MARGINS



Category 5e Keystone Jacks

KEY FEATURES

- Exceeds TIA-568-C.2 component performance
- Supports TIA-568-C.2 category 5e 100-meter channel performance
- Compatible with Signamax snap-in patch panels and work area faceplates
- Circuit identification icons and dust covers included in MT & EC-series kits

Category 5e MT-Series Unscreened Keystone Jacks

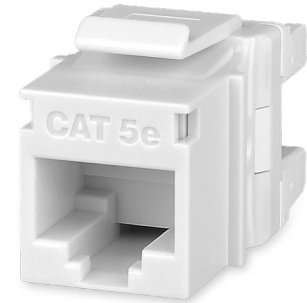
KEY FEATURES

- Rear 180-degree 110 type contacts offer effortless termination and improved wire retention
- Eco-friendly bulk packaging option with a resealable bag

ORDERING INFORMATION

PART NO.	DESCRIPTION
KJ458MT-C5E	Category 5e MT-Series Keystone Jack, T568A/B Wiring, Light Ivory
KJ458MT25-C5E	Category 5e MT-Series Keystone Jack, T568A/B Wiring, Light Ivory, 25-Pack

For other colors add the following to P/N: WH DI YE OR RD BU GN GY BK



Category 5e EC-Series Unscreened Keystone Jacks

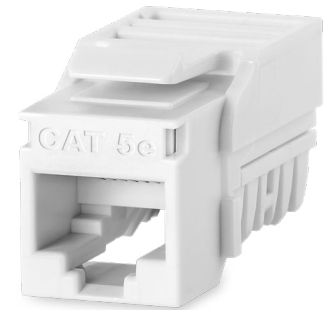
KEY FEATURES

- Improved conductor retention with 90-degree 110 termination
- Eco-friendly bulk packaging with a resealable bag

ORDERING INFORMATION

PART NO.	DESCRIPTION
KJ458EC25-C5E	Category 5e EC-Series Keystone Jack, T568A/B Wiring, Light Ivory, 25-Pack

For other colors add the following to P/N: WH YE OR RD BU GN BK



Category 5e MT-Series Screened Keystone Jacks

KEY FEATURES

- Overall solid-metal shielding design for 360-degree screen coverage
- Rear 110 type contacts offer effortless of termination and improved wire retention

ORDERING INFORMATION

PART NO.	DESCRIPTION
KJS458MT-C5E	Category 5e MT-Series Screened Keystone Jack, T568A/B Wiring



Category 5e Screened Toolless Keystone Jacks

KEY FEATURES

- Overall solid-metal shielding design for 360-degree screen coverage
- Integrated toolless termination cap eliminates the need of any special tools

ORDERING INFORMATION

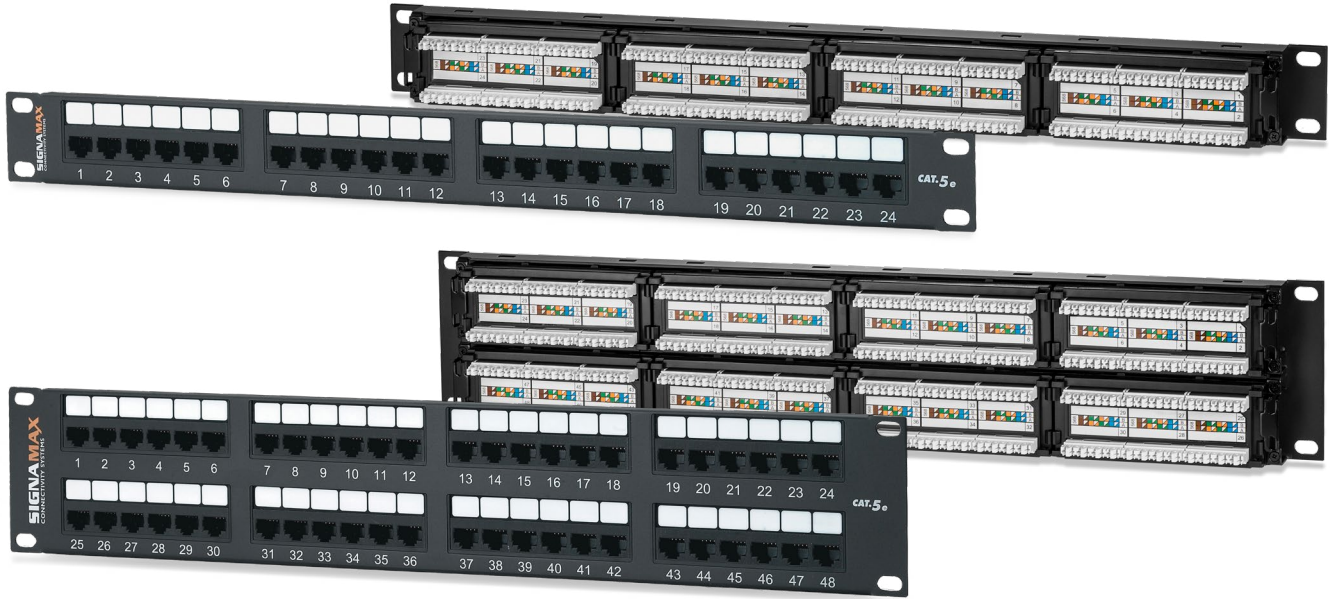
PART NO.	DESCRIPTION
KJS458TL-C5E	Category 5e Screened Toolless Keystone Jack, T568A/B Wiring



Category 5e MD-Series Unscreened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Modular blocks with built-in PCB-based jacks ensure Category 5e parameters
- Easy-to-read T568A/B wiring scheme color-coded label
- Port designation features along each port for quick identification
- Designed for optional snap-in cable management bar
- Cold-rolled steel construction for maximum strength and durability



Category 5e MD-Series Unscreened Patch Panels

KEY FEATURES

PART NO.	DESCRIPTION
12458MD-C5E	12-Port Category 5e MD-Series Patch Panel, 1 RMU
24458MD-C5E	24-Port Category 5e MD-Series Patch Panel, 1 RMU
48458MD-C5E	48-Port Category 5e MD-Series Patch Panel, 2 RMU

Optional cable management accessories sold separately; refer to page F5.

REAR CABLE MANAGEMENT



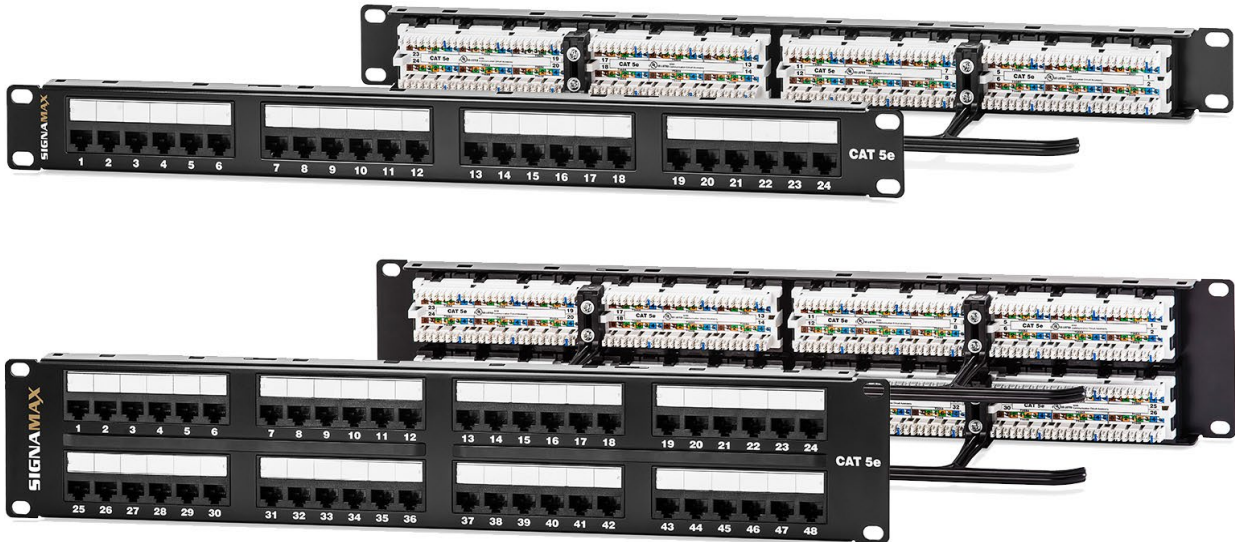
FRONT CABLE MANAGEMENT



Category 5e EC-Series Unscreened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 Category 6 component performance
- Modular blocks with built-in PCB-based jacks ensure Category 6 parameters
- Hinged clear windows over each set of ports for quick identification
- Removable (screwed-on) rear cable management bar
- Standard termination with single-position or multi-pair 110 termination tools
- Easy-to-read T568A/B wiring scheme color-coded label
- Cold-rolled steel construction for maximum strength and durability

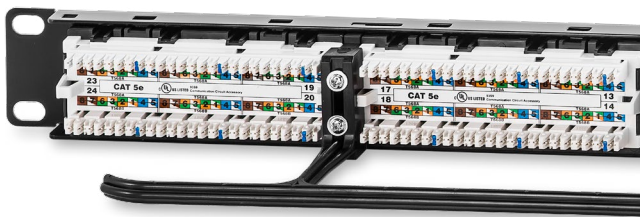


Category 5e EC-Series Unscreened Patch Panels

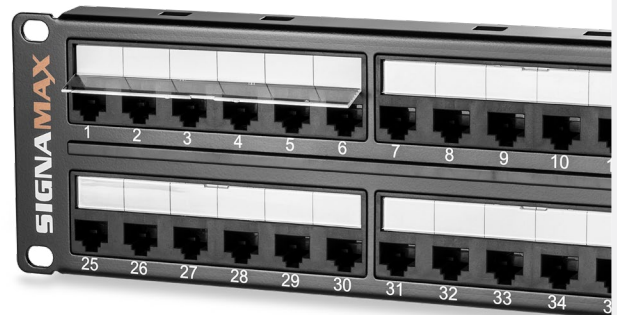
KEY FEATURES

PART NO.	DESCRIPTION
24458EC-C5E	24-Port Category 5e EC-Series Patch Panel, 1 RMU
48458EC-C5E	48-Port Category 5e EC-Series Patch Panel, 2 RMU

REMOVABLE CABLE MANAGEMENT



HINGED LABELING WINDOW



Category 5e MT-Series Unscreened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Improved wire retention and ease of termination with rear 110 type contacts
- Angled design eliminates the need for cable management panels saving space
- Cold-rolled steel construction for maximum strength and durability
- Snap-in rear cable management bar



Category 5e MT-Series Unscreened Patch Panels

ORDERING INFORMATION

PART NO.	DESCRIPTION
24458-C5E	24-Port Category 5e MT-Series Patch Panel, 1 RMU
48458-C5E	48-Port Category 5e MT-Series Patch Panel, 2 RMU
72458-C5E	72-Port Category 5e MT-Series Patch Panel, 2 RMU
48458HD-C5E	High Density 48-Port Category 5e MT-Series Patch Panel, 1 RMU

Panels are supplied as a kit, which includes the panel, black MT-Series unscreened jacks per port count, a cable management bar per RMU, and cable ties. For panels with other keystone jack color options contact Customer Service.



Category 5e MT-Series Unscreened Angled Patch Panels

ORDERING INFORMATION

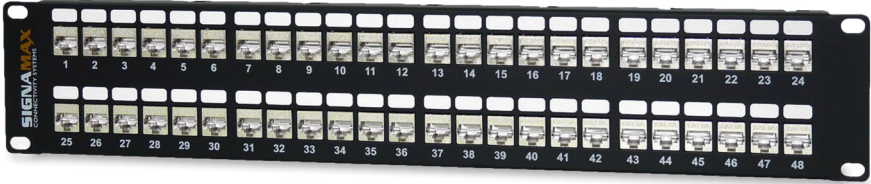
PART NO.	DESCRIPTION
24458A-C5E	24-Port Category 5e MT-Series Angled Patch Panel, 1 RMU
48458A-C5E	48-Port Category 5e MT-Series Angled Patch Panel, 2 RMU
72458A-C5E	72-Port Category 5e MT-Series Angled Patch Panel, 2 RMU

Panels are supplied as a kit, which includes the panel, black MT-Series unscreened jacks per port count, and cable ties. For panels with other keystone jack color options contact Customer Service.

Category 5e MT-Series Screened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Overall solid-metal shielding design for 360-degree screen coverage
- Improved wire retention and ease of termination with rear 110 type contacts
- Angled design eliminates the need for cable management panels saving space
- Cold-rolled steel construction for maximum strength and durability
- Snap-in rear cable management bar



Category 5e MT-Series Screened Patch Panels

ORDERING INFORMATION

PART NO.	DESCRIPTION
24458S-C5E	24-Port Category 5e MT-Series Screened Patch Panel, 1 RMU
48458S-C5E	48-Port Category 5e MT-Series Screened Patch Panel, 2 RMU
72458S-C5E	72-Port Category 5e MT-Series Screened Patch Panel, 2 RMU

Panels are supplied as a kit, which includes the panel, MT-Series screened jacks per port count, a cable management bar per RMU, and cable ties.



Category 5e MT-Series Screened Angled Patch Panels

ORDERING INFORMATION

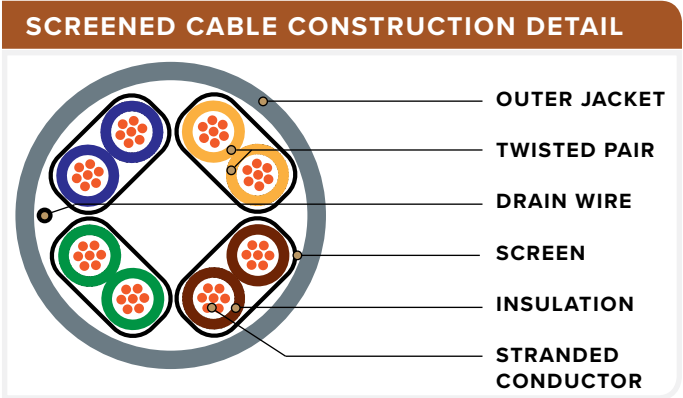
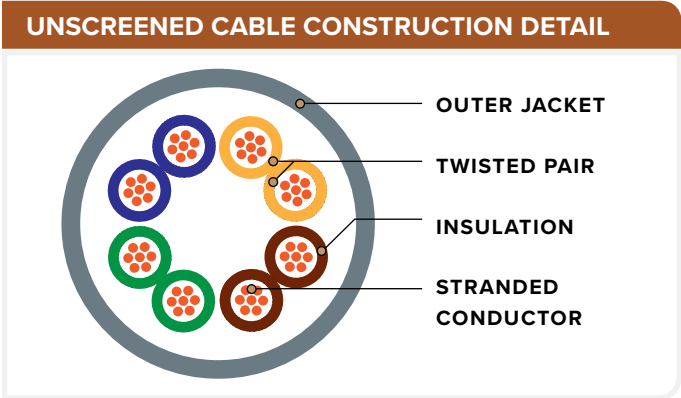
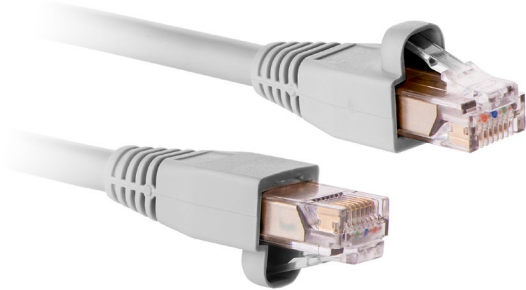
PART NO.	DESCRIPTION
24458SA-C5E	24-Port Category 5e MT-Series Screened Angled Patch Panel, 1 RMU
48458SA-C5E	48-Port Category 5e MT-Series Screened Angled Patch Panel, 2 RMU
72458SA-C5E	72-Port Category 5e MT-Series Screened Angled Patch Panel, 2 RMU

Panels are supplied as a kit, which includes the panel, MT-Series screened jacks per port count, and cable ties.

Category 5e Patch Cords

KEY FEATURES

- 100% factory transmission tested per ANSI/TIA-568-C.2 to ensure category 5e component level performance
- Screened version eliminates EM interference
- Slim-profile & snag-free boot designed for the highest density applications
- ETL verified 24 AWG stranded cable
- Rated for at least 750 plug insertions for high level system reliability
- Seven standard lengths & eight jacket colors for the unscreened option



Category 5e Unscreened Patch Cords

ORDERING INFORMATION

PART NO.	DESCRIPTION
C5EC-114 CC -LFB	Category 5e Unscreened Patch Cord with Snag-Proof Boots

Specify cable jacket color by substituting **CC** in P/N for the following: WH YE OR RD BU GN GY BK

Specify cable length by substituting **L** in P/N for the following:

3: 3 ft **5**: 5 ft **7**: 7 ft **10**: 10 ft **15**: 15 ft **20**: 20 ft **25**: 25 ft

P/N Example: **C5EC-114BU-3FB** - Cat 5e Unscreened Patch Cord with Snag-Proof Boots, Blue, 3 ft

Category 5e Screened Patch Cords

ORDERING INFORMATION

PART NO.	DESCRIPTION
C5ES-314 GY -LFB	Category 5e 24 AWG Screened Patch Cord with Snag-Proof Boots, Gray

Specify cable length by substituting **L** in P/N for the following:

3: 3 ft **5**: 5 ft **7**: 7 ft **10**: 10 ft **15**: 15 ft **20**: 20 ft **25**: 25 ft

CUSTOM LENGTH PATCH CORDS ARE AVAILABLE, CONTACT CUSTOMER SERVICE FOR SPECIAL ORDERS.

Category 5e Cross-Connects

KEY FEATURES

- Supports ANSI/TIA-568-C.2 transmission performance
- Supports Voice and Data cross-connect and consolidation point applications
- Mounting legs offer simple cable management by routing cable behind the block
- Designation features along each terminated IDC for quick identification with clear window covers
- Constructed with high-impact thermoplastic that is rated UL94V-0 fire-retardant
- Compatible with Signamax 110 patch cords



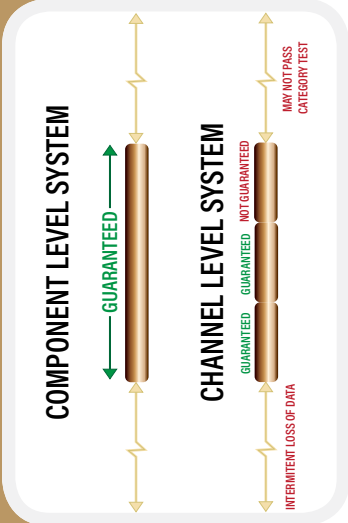
Category 5e 110 Wiring Blocks Kits

ORDERING INFORMATION

PART NO.	DESCRIPTION
WBK-50PRL4	Cat 5e 50-Pair Kit w/Mounting Legs, (10) 4-Pair, (2) 5-Pair Connecting Blocks and 1 Designation Label
WBK-100PRL4	Cat 5e 100-Pair Kit w/Mounting Legs, (20) 4-Pair, (4) 5-Pair Connecting Blocks and 2 Designation Labels
WBK-300PRL4	Cat 5e 300-Pair Kit w/Mounting Legs, (60) 4-Pair, (12) 5-Pair Connecting Blocks and 6 Designation Labels

For Wiring Blocks without Legs delete **L** from P/N.

TECH TIP FOCUS: COMPONENT VS CHANNEL



PERFORMANCE - GUARANTEED OR MAYBE

There are no such standard transmission performance specifications as “channel-level performance”, the term was created to describe certain products that have parameters much better than that of an average product in the class, yet not sufficient to assign it to the next higher level.

In fact, channel-level components do not pass tests defined by the standards for the category it may have been assigned. Applying this definition to ICT connecting hardware, for example, says that “a channel-level category 6 jack may be used in category 6 structured cabling and the channel incorporating the jack can pass standard category 6 channel test”. However, the supplier of such component does not guarantee the product would pass a standard component test as a standalone element.

What does this all mean for the users of a compromised ICT system? Imagine a form that is opened every five minutes with a 5 second delay due to a network deficiency. A 5-s delay every 5 minutes translates to a loss of 35 working hours a year.

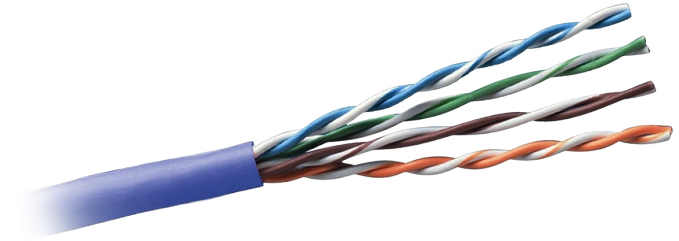
Technical Support: techsupport@signamax.com or 1.800.446.2377



Category 5e Cable

KEY FEATURES

- ANSI/TIA 568-C.2 category 5e verified
- Complies with ISO/IEC 11801 2nd Ed. category 5
- UL listed CMP & CMR
- Reach & RoHS 2 compliant
- Supports PoE up to 60 Watts



Category 5e Unscreened Cable

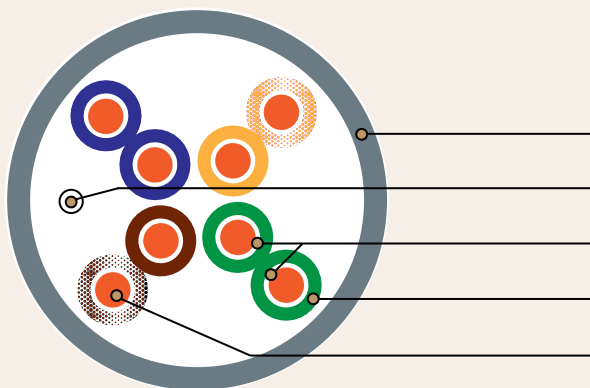
ORDERING INFORMATION

PART NO.	DESCRIPTION
BC5E-1110B-CC	Category 5e U/UTP 4 pair 24 AWG solid cable, CMP, 1,000 ft (305 m), USA Made
BC5E-1110A-CC	Category 5e U/UTP 4 pair 24 AWG solid cable, CMP, 1,000 ft (305 m), Intl. Made
BC5E-1120A-CC	Category 5e U/UTP 4 pair 24 AWG solid cable, CMR, 1,000 ft (305 m), Intl. Made

Specify cable jacket color by substituting **CC** in P/N for the following: **WH** **BU**

For other cable jacket colors, contact customer service.

CABLE CONSTRUCTION DETAIL



BC5E-1110

- OUTER JACKET
- RIP CORD
- TWISTED PAIR
- INSULATION
- SOLID CONDUCTOR

Category 5e Cable

SPECIFICATIONS

ELECTRICAL

Maximum Delay Skew: 45 ns/100 m
Input Impedance: 100±15 Ohm (1-100 MHz)

CONSTRUCTION

Conductor Size: 24 AWG
Conductor Material: Solid bare copper
Pair Count: 4 Pairs
Plastic Materials:
Plenum: CMP rated flame-retardant thermoplastic
Riser: CMR rated flame-retardant thermoplastic
Overall Cable Diameter: 0.18 in (4.6 mm)
Packaging: 1,000 ft (305 m)

ENVIRONMENTAL

Temperature:
Installation: 0°C to 60°C (32°F to 140°F)
Storage: -40°C to 60°C (-40°F to 140°F)
Operating: -20°C to 75°C (-4°F to 167°F)

APPLICATIONS

Ethernet: IEEE 802.3ab (Gigabit), IEEE 802.3u (Fast); ATM: 622 Mbps, 1000 Mbps;
 PoE: IEEE 802.3af (15 W), IEEE 802.3at (30 W +), IEEE 802.3bt Type 3 (60 W ++)

TRANSMISSION PERFORMANCE

FREQUENCY (MHz)	INSERTION LOSS, dB		NEXT LOSS, dB		PSNEXT LOSS, dB		RETURN LOSS		ACRF, dB		PSACRF, dB		ACR, dB		PSACR, dB	
	TIA ¹	MAX ²	TIA ¹	MIN ²	TIA ¹	MIN ²	TIA ¹	MIN ²	TIA ¹	MIN ²	TIA ¹	MIN ²	CALC ³	MIN ²	CALC ⁴	MIN ²
1	2.0	2.0	65.3	65.3	62.3	62.3	20.0	20.0	63.8	63.8	60.8	60.8	63.3	63.3	60.3	60.3
4	4.1	4.1	56.3	56.3	53.3	53.3	23.0	23.0	51.8	51.8	48.8	48.8	52.2	52.2	49.2	49.2
8	5.8	5.8	51.8	51.8	48.8	48.8	24.5	24.5	45.7	45.7	42.7	42.7	46.0	46.0	43.0	43.0
10.0	6.5	6.5	50.3	50.3	47.3	47.3	25.0	25.0	43.8	43.8	40.8	40.8	43.8	43.8	40.8	40.8
16.0	8.2	8.2	47.2	47.2	44.2	44.2	25.0	25.0	39.7	39.7	36.7	36.7	39.0	39.0	36.0	36.0
31.25	11.7	11.7	42.9	42.9	39.9	39.9	23.6	23.6	33.9	33.9	30.9	30.9	31.2	31.2	28.2	28.2
62.5	17.0	17.0	38.4	38.4	35.4	35.4	21.5	21.5	27.9	27.9	24.9	24.9	21.4	21.4	18.4	18.4
100.0	22.0	22.0	35.3	35.3	32.3	32.3	20.1	20.1	23.8	23.8	20.8	20.8	13.3	13.3	10.3	10.3

1: ANSI/TIA-568-C.2 horizontal cable transmission performance limits

2: SIGNAMAX guaranteed performance

3: Calculated, ACR=NEXT-IL

4: Calculated, PSACR=PSNEXT-IL



OPTICAL FIBER

SIGNAMAX FIBER SOLUTIONS BRINGS ADVANCED OPTICAL FIBER CONNECTORS, ADAPTERS, CUSTOMIZABLE ENCLOSURES AND ACCESSORIES TO THE VASTLY DIVERSE HIGH SPEED DATA TRANSMISSION APPLICATIONS.

WHETHER YOU ARE UPGRADING OR IMPLEMENTING A NEW NETWORK, SIGNAMAX DELIVERS SYSTEMS ACCOMMODATING MULTIPLE TERMINATIONS, PRE-TERMINATED SHORT-CUTS, AND INNOVATIVE TECHNOLOGY TO MEET TODAY'S DEMANDS WHILE ADAPTING FOR FUTURE EXPANSION.

Connect With Us     & Stay Up-to-Date

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High-Density Rack-Mount Optical Fiber Enclosures

KEY FEATURES

- Meets EIA/ECA-310-E mounting standards for 19 & 23 inches
- Transparent plastic front & solid rear panel are hinged for easy access
- Sliding tray with built-in latch-lock for effortless installation
- Fiber spools to ensure proper fiber slack management
- Standard LGX footprint adapter plates mount easily by means of plunger locks
- Interchangeable modular adapter plates for custom combinations



18 to 72 Fiber Rack-Mount Optical Fiber Enclosure

ORDERING INFORMATION

PART NO.	DESCRIPTION
UFE3HD2-B	18 to 72 Fiber High-Density Rack-Mount Optical Fiber, 1 RMU

Adapter plates (B13-15) and splice trays (B11-12) sold separately.

SPECIFICATIONS

CONSTRUCTION

Housing: Steel with corrosive resistant black finish

Front Cover: High-impact thermoplastic, UL94V-0 fire retardant

Grommets: Rubber

DIMENSIONS

UFE3HD2-B: 14" D x 19" W x 1.75" H (406.4 mm x 482.6 mm x 44.45 mm)

UFE6HD2-B: 14" D x 19" W x 3.50" H (355.6 mm x 482.66 mm x 88.9 mm)

UFE12HD2-B: 14" D x 19" W x 7" H (406.4 mm x 482.6 mm x 177.8 mm)

High-Density Rack-Mount Optical Fiber Enclosures



36 to 144 Fiber Rack-Mount Optical Fiber Enclosure

ORDERING INFORMATION

PART NO.	DESCRIPTION
UFE6HD2-B	36 to 144 Fiber High-Density Rack-Mount Optical Fiber Enclosure, 2 RMU

Adapter plates (B13-15) and splice trays (B11-12) sold separately.



72 to 288 Fiber Rack-Mount Optical Fiber Enclosure

ORDERING INFORMATION

PART NO.	DESCRIPTION
UFE12HD2-B	72 to 288 Fiber High-Density Rack-Mount Optical Fiber Enclosure, 4 RMU

Adapter plates (B13-15) and splice trays (B11-12) sold separately.

CAPACITY

UFE3HD2-B:

Adapter Plates / Cassettes: 3 Max
Splice Trays: 2 Max

UFE6HD2-B:

Adapter Plates / Cassettes: 6 Max
Splice Trays: 4 Max

UFE12HD2-B

Adapter Plates / Cassettes: 12 Max
Splice Trays: 8 Max

Note: Refer to page B12 for splice tray compatibility.

Premium High-Density Rack-Mount Optical Fiber Enclosures

KEY FEATURES

- Proudly manufactured in the U.S.A.
- Meets EIA/ECA-310-E mounting standards for 19 & 23 inches
- Additional 2 inches of depth than the standard enclosures
- Transparent plastic front & solid rear panel are hinged for easy access
- Sliding tray with built-in latch-lock for effortless installation
- Interchangeable, LGX footprint, modular adapter plates for custom combinations



18 to 72 Fiber Premium Rack-Mount Optical Fiber Enclosure

ORDERING INFORMATION

PART NO.	DESCRIPTION
UFE3HD1-B	18 to 72 Fiber High-Density Rack-Mount Optical Fiber Enclosure, 1 RMU

Adapter plates (B13-15) and splice trays (B11-12) sold separately.



36 to 144 Fiber Premium Rack-Mount Optical Fiber Enclosure

ORDERING INFORMATION

PART NO.	DESCRIPTION
UFE6HD1-B	36 to 144 Fiber High-Density Rack-Mount Optical Fiber Enclosure, 2 RMU

Adapter plates (B13-15) and splice trays (B11-12) sold separately.

SPECIFICATIONS

CONSTRUCTION

Housing: Steel with corrosive resistant black finish
Front Cover: High-impact thermoplastic, UL94V-0 fire retardant
Grommets: Rubber

DIMENSIONS

UFE3HD1-B: 16" D x 19" W x 1.75" H (406.4 mm x 482.6 mm x 44.45 mm)
UFE6HD1-B: 16" D x 19" W x 3.5" H (355.6 mm x 482.6 mm x 88.9 mm)
UFE9HD1-B: 16" D x 19" W x 5.25" H (406.4 mm x 482.6 mm x 133.35 mm)
UFE12HD1-B: 16" D x 19" W x 7" H (406.4 mm x 482.6 mm x 177.8 mm)

Premium High-Density Rack-Mount Optical Fiber Enclosures



54 to 216 Fiber Premium Rack-Mount Optical Fiber Enclosure

ORDERING INFORMATION

PART NO.	DESCRIPTION
UFE9HD1-B	54 to 216 Fiber High-Density Rack-Mount Optical Fiber Enclosure, 3 RMU

Adapter plates (B13-15) and splice trays (B11-12) sold separately.



72 to 288 Fiber Premium Rack-Mount Optical Fiber Enclosure

ORDERING INFORMATION

PART NO.	DESCRIPTION
UFE12HD1-B	72 to 288 Fiber High-Density Rack-Mount Optical Fiber Enclosure, 4 RMU

Adapter plates (B13-15) and splice trays (B11-12) sold separately.

CAPACITY

UFE3HD1-B:

Adapter Plates / Cassettes: 3 Max
Splice Trays: 2 Max

UFE6HD1-B:

Adapter Plates / Cassettes: 6 Max
Splice Trays: 4 Max

UFE9HD1-B:

Adapter Plates / Cassettes: 9 Max
Splice Trays: 6 Max

UFE12HD1-B

Adapter Plates / Cassettes: 12 Max
Splice Trays: 8 Max

Note: Refer to page B12 for splice tray compatibility.

Optical Fiber Enclosures

Distribution Optical Fiber Enclosures

KEY FEATURES

- Meets EIA/ECA-310-E mounting standards for 19 & 23 inches
- Transparent plastic front & solid rear panel are hinged for easy access
- Sliding tray with built-in latch-lock for effortless installation
- Fiber spools to ensure proper fiber slack management
- Rubber grommets protect against cable kinks & dust penetration
- Interchangeable modular adapter plates mount easily by means of plunger locks



ORDERING INFORMATION

PART NO.	DESCRIPTION
UFD4-B	24 to 96 Fiber Distribution Optical Fiber Enclosure, 4 RMU
UFD12-B	72 to 288 Fiber Distribution Optical Fiber Enclosure, 8 RMU

Adapter plates (B13-15) and splice holders (B11-12) sold separately.



Splice Optical Fiber Enclosures

KEY FEATURES

- Meets EIA/ECA-310-E mounting standards for 19 & 23 inches
- Designed for splice tray consolidation
- Transparent plastic front & solid rear panel are hinged for easy access.
- Sliding tray with built-in latch-lock for effortless installation
- Rubber grommets protect against cable kinks and dust penetration



ORDERING INFORMATION

PART NO.	DESCRIPTION
UFS4-B	24 to 96 Fiber Splice Enclosure with Slide-Out Support Stage, 3 RMU
UFS8-B	24 to 192 Fiber Splice Enclosure with Slide-Out Support Stage, 4 RMU

Splice holders (B11-12) sold separately.



SPECIFICATIONS

CONSTRUCTION

Housing: Steel with corrosive resistant black finish
Front Cover: High-impact thermoplastic, UL94V-0 fire retardant

DIMENSIONS

UFD4-B: 14" D x 19" W x 7" H (355.6 mm x 482.6 mm x 177.8 mm)
UFD12-B: 14" D x 19" W x 14" H (355.6 mm x 482.6 mm x 355.6 mm)
UFS4-B: 14" D x 19" W x 5.25" H (355.6 mm x 482.6 mm x 44.45 mm)
UFS8-B: 14" D x 19" W x 7" H (355.6 mm x 482.66 mm x 177.8 mm)

CAPACITY

UFD4-B: Adapter Plates / Cassettes / Splice Trays: 4 Max
UFD12-B: Adapter Plates / Cassettes: 12 Max; Splice Trays: 8 Max
UFS4-B: Max 4 Splice Trays
UFS8-B: Max 8 Splice Trays

Note: Refer to page B12 for splice tray compatibility.

Optical Fiber Enclosures

Slide-Out Optical Fiber Enclosures

KEY FEATURES

- Meets EIA/ECA-310-E 19 inch mounting standards
- Sliding tray for effortless installation with capacity for splice trays
- Interchangeable modular adapter plates mount easily by means of plunger locks
- Fiber spools to ensure proper fiber slack management



ORDERING INFORMATION

PART NO.	DESCRIPTION
SL2M-B	12 to 48 Fiber Slide-Out Optical Fiber Enclosure, 1 RMU
SL3M-B	18 to 72 Fiber Slide-Out Optical Fiber Enclosure, 1 RMU

Adapter plates (B13-15) and splice holders (B11-12) sold separately.

Optical Fiber Distribution Box

KEY FEATURES

- DIN-Rail & surface mountable
- Termination density up to 24 maximum fibers
- Eight internal brackets to assist with proper fiber management
- Two cable entry ports with multiple fitting options
- Integrated for a customizable LGX modular adapter plate

ORDERING INFORMATION

PART NO.	DESCRIPTION
OFDB-01	Surface Mount Optical Fiber Distribution Box
OFDB-01DR	DIN-Rail Mount Optical Fiber Distribution Box

ACCESSORIES

OFDB-01-01	Blank Cable Entry Port Cover with mounting screws
OFDB-01-02	2 x MPT®-A Adapter with mounting screws
OFDB-01-03	1 x MG12 cable gland adapter with mounting screws
OFDB-01-04	1 x MPT®-A Adapter with mounting screws
OFDB-01-05	Optical Fiber Splice Holder (6 fibers with 6 sleeves)
OFDB-01-06	Optical Fiber Splice Holder (12 fibers with 12 sleeves)

Accessories sold separately. Adapter plates options on page B13-15.



SPECIFICATIONS

CONSTRUCTION

- Housing:** Steel with corrosive resistant black finish
- SLXM Cover:** High-impact thermoplastic, UL94V-0 fire retardant

DIMENSIONS

- SL2M-B:** 13" D x 19" W x 1.75" H (330.2 mm x 482.6 mm x 44.45 mm)
- SL3M-B:** 13" D x 19" W x 1.75" H (330.2 mm x 482.6 mm x 44.45 mm)
- OFDB-X:** 5.32" D x 1.18" W x 5.12" H (135.1 mm x 29.97 mm x 130.0 mm)

CAPACITY

- SL2M-B:** Adapter Plates: 2 Max
- SL3M-B:** Adapter Plates: 3 Max
- OFDB-X:** Adapter Plates: 1 Max

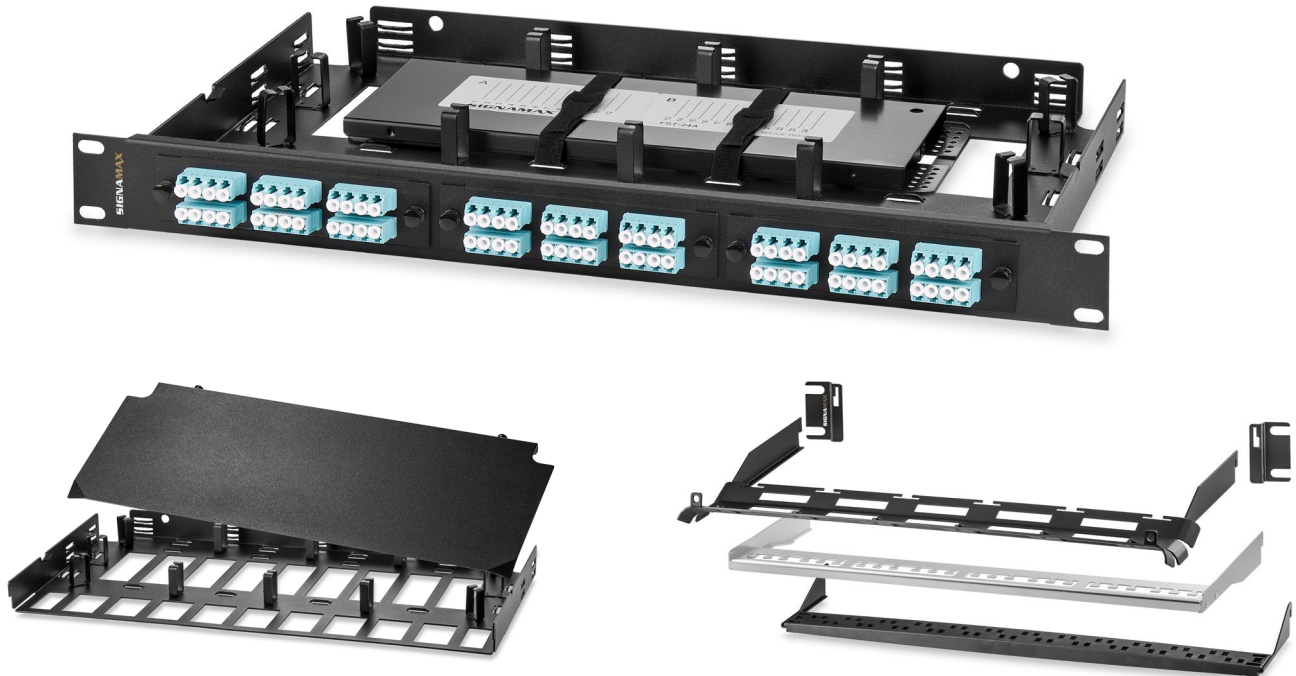
Note: Refer to page B12 for splice tray compatibility.

Modular Rack-Mount Optical Fiber Panels

LGX Modular Optical Fiber Panels

KEY FEATURES

- Meets EIA/ECA-310-E mounting standards for 19 inches
- Interchangeable modular adapter plates mount easily by means of plunger locks
- Durable 16-gauge steel case with high-impact, corrosive resistant black finish
- Integrated for optional snap-in cable management bar or tray



ORDERING INFORMATION

PART NO.	DESCRIPTION
RMF3-B	18 to 72 Fiber Rack-Mount Modular Optical Fiber Panel, 1 RMU
RMF6-B	36 to 144 Fiber Rack-Mount Modular Optical Fiber Panel, 2 RMU

CABLE MANAGEMENT ACCESSORY OPTIONS

RMF-FMTA-B	Optical Fiber Management Tray with Cover, 1 RMU
CMB-PC1-1U-LH	1 RMU Waterfall Cable Management Bar with Label Holder
CMB-PC1-2U-LH	2 RMU Waterfall Cable Management Bar with Label Holder
CMB-250-P	Panel-Mount Cable Management Bar, Plastic Body
CMB-550-M	Panel-Mount Cable Management Bar, Metal Body
CMB-B1-B	Cable Management Bar Mounting Bracket, 1 RMU
CMB-B12-B	Cable Management Bar Mounting Bracket, 2 RMU

Optional cable management accessories, adapter plates (B13-15) and splice trays (B11-12) sold separately.

SPECIFICATIONS

CONSTRUCTION

RMF3/6:

- Housing:** 16 gauge CRS with corrosive resistant black finish
- Adapter Plate:** steel with corrosive resistant black finish
- Adapter:** high-impact thermoplastic, UL94V-0 fire-retardant

RMF4:

- Housing:** 1.5-mm CRS with corrosive resistant black finish
- Adapter Plate:** 1.5-mm aluminum with corrosive resistant black finish
- Adapter:** high-impact thermoplastic, UL94V-0 fire-retardant

Modular Rack-Mount Optical Fiber Panels

High-Density Modular Optical Fiber Panel

KEY FEATURES

- Meets EIA/ECA-310-E mounting standards for 19 inches
- Increased termination density with four-position design in 1 RMU, up to 96 fibers
- Proprietary adapter plate form factor
- Integrated for optional cable management accessories including a fiber management tray
- Interchangeable adapter plates mount easily by means of plunger locks



ORDERING INFORMATION

PART NO.	DESCRIPTION
RMF4-B	96-Fiber Rack-Mount Optical Fiber Panel

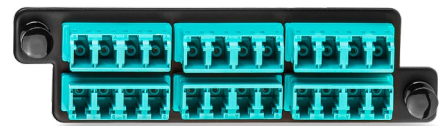
Optional cable management accessories (B7), adapter plates (B13-15) and splice trays (B11-12) sold separately.



High-Density Modular Optical Adapter Plates

ORDERING INFORMATION

PART NO.	DESCRIPTION
SC CONNECTOR ADAPTER PLATES	
UFE1-B-6QHSCM3	12-Fiber (6-Duplex) SC OM3/OM4 Adapter Plate, Type A
UFE1-B-6QHSCSM	12-Fiber (6-Duplex) SC SM Adapter Plate, Type A
UFE1-B-6QHSCSA	12-Fiber (6-Duplex) SC SM APC Adapter Plate, Type A
LC CONNECTOR ADAPTER PLATES	
UFE1-B-6QHLCM3	24-Fiber (6-Quad) LC OM3/OM4 Adapter Plate, Type A
UFE1-B-6QHLCSM	24-Fiber (6-Quad) LC SM Adapter Plate, Type A
EMPTY ADAPTER PLATE	
UFE1-B-6QH-B	6 Quad Horizontal Adapter Plate, Type A, Blank



DIMENSIONS

RMF3-B: 0.75" D x 19" W x 1.75" H (19.05 mm x 482.6 mm x 44.45 mm)
RMF6-B: 0.75" D x 19" W x 3.50" H (19.05 mm x 482.6 mm x 88.90 mm)
RMF4-B: 0.75" D x 19" W x 1.75" H (19.05 mm x 482.6 mm x 44.45 mm)
Tray: 10.0" D x 17.0" W x 1.75" H (254 mm x 482.6 mm x 44.45 mm)
Bar: 2.50" D x 19" W (63.5 mm x 482.6 mm)

CAPACITY

RMF3-B: Adapter Plates / Cassette: 3 Max
RMF6-B: Adapter Plates / Cassette: 6 Max
RMF4-B: Adapter Plates / Cassette: 4 Max

Note: Refer to page B12 for splice tray compatibility.

Wall-Mount Optical Fiber Enclosures

KEY FEATURES

- Integrated for modular adapter plates for project specific customization
- Hinged steel door with either latch or lock options
- Top and bottom cable entry points
- Fiber management features to ensure safe tension and bend radius
- Accommodates up to 2 or 4 splice trays (see pg B12 & 13)
- Mountable to any flat surface



Wall-Mount Optical Fiber Enclosures with Cam Locks & Latches

ORDERING INFORMATION

PART NO.	DESCRIPTION
WFE2M-B	12 to 24 Fiber Wall-Mount Optical Fiber Enclosure with Cam Latch
WFE2MS-B	12 to 24 Fiber Locking Wall-Mount Optical Fiber Enclosure with Cam Lock
WFE4M-B	24 to 96 Fiber Wall-Mount Optical Fiber Enclosure with Cam Latch
WFE4MS-B	24 to 96 Fiber Locking Wall-Mount Optical Fiber Enclosure with Cam Lock

Adapter plates (B13-15) and splice holders (B11-12) sold separately.

SPECIFICATIONS

CONSTRUCTION

Housing: 16-gauge steel with corrosive resistant black finish

DIMENSIONS

WFE2M(S)-B: 2.0" D x 14.0" W x 12.2" H (50 mm x 352 mm x 310 mm)

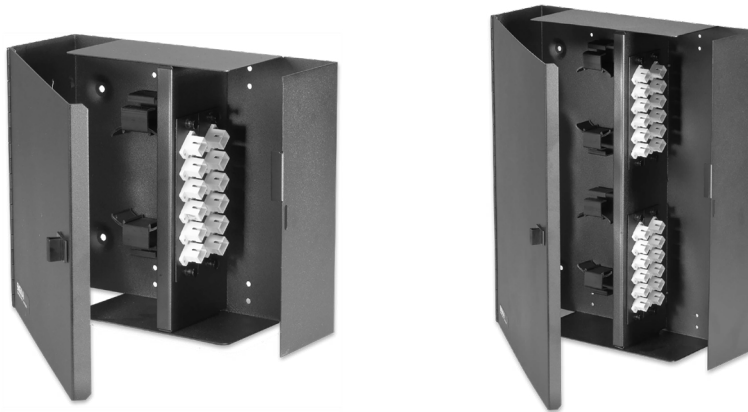
WFE4M(S)-B: 4.0" D x 14.0" W x 12.2" H (100 mm x 352 mm x 310 mm)

CAPACITY

WFE2M(S)-B: 2 plates & trays, up to 48 fibers

WFE4M(S)-B: 4 plates & trays, up to 96 fibers

Wall-Mount Optical Fiber Enclosures

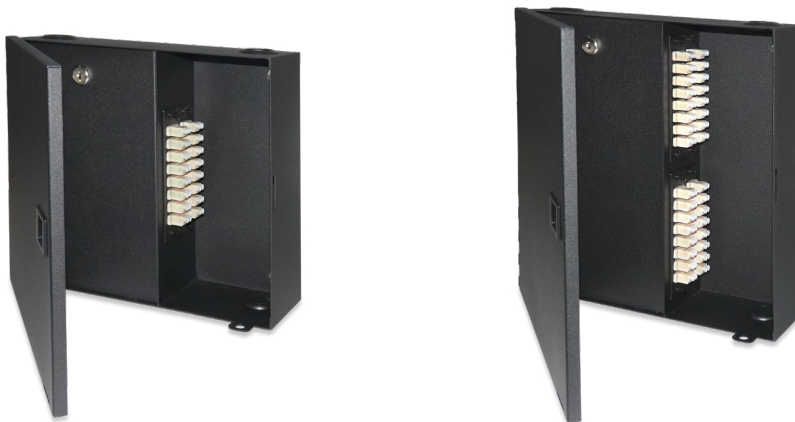


Wall-Mount Optical Fiber Enclosures with Access Door

ORDERING INFORMATION

PART NO.	DESCRIPTION
WFE2-B	12 to 48 Fiber Wall-Mount Optical Fiber Enclosure with Access Door
WFE4-B	24 to 96 Fiber Wall-Mount Optical Fiber Enclosure with Access Door

Adapter plates (B13-15) and splice holders (B11-12) sold separately.



Wall-Mount Optical Fiber Enclosures with Security Door

ORDERING INFORMATION

PART NO.	DESCRIPTION
WFE2S-B	12 to 48 Fiber Wall-Mount Optical Fiber Enclosure with Internal Security Door
WFE4S-B	24 to 96 Fiber Wall-Mount Optical Fiber Enclosure with Internal Security Door

Adapter plates (B13-15) and splice holders (B11-12) sold separately.

SPECIFICATIONS

CONSTRUCTION

Housing: 16-gauge steel with corrosive resistant black finish

DIMENSIONS

WFE2-B: 3.5" D x 10" W x 9" H (88.9 mm x 254.0 mm x 228.6 mm)

WFE4-B: 3.5" D x 10" W x 15" H (88.9 mm x 254.0 mm x 381 mm)

WFE2S-B: 3.5" D x 12" W x 10.2" H (88.9 mm x 304.8 mm x 259.1 mm)

WFE4S-B: 3.5" D x 12" W x 12" H (88.9 mm x 304.8 mm x 304.8 mm)

CAPACITY

WFE2(S)-B: 2 plates & trays, up to 48 fibers

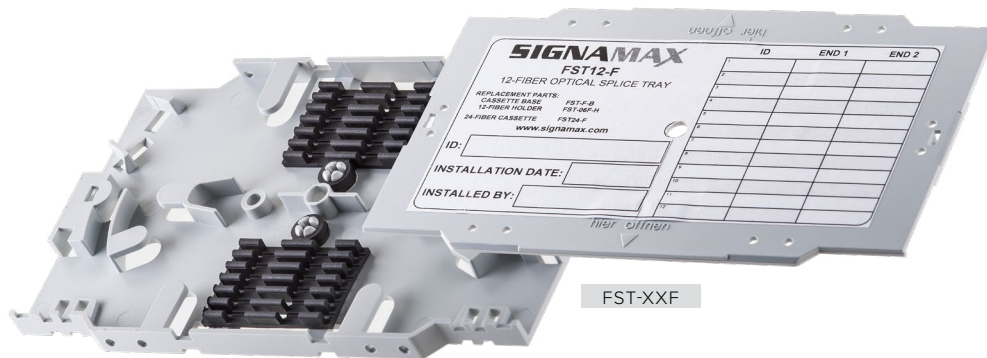
WFE4(S)-B: 4 plates & trays, up to 96 fibers

Note: Refer to page B12 for splice tray compatibility.

Optical Fiber Splice Trays

KEY FEATURES

- Telcordia GR-769 compliant with 12 to 36 fusion splices
- Capable of fusion, mechanical, or mass-fusion splices
- Available in a high-density thermoplastic or aluminium alloy case
- Supplied with splice holders, fasteners, and installation instructions
- See compatibility table to ensure proper fit & operation



Plastic Splice Trays

ORDERING INFORMATION

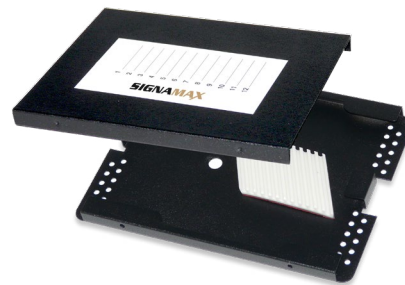
PART NO.	DESCRIPTION
FST-12F	12-Fiber Plastic Splice Tray, Stores up to 12 Fusion Splices
FST-24F	24-Fiber Plastic Splice Tray, Stores up to 24 Fusion Splices
FST-12F1	Stackable 12-Fiber Plastic Splice Tray, Stores up to 12 Fusion Splices
FST-24F1	Stackable 24-Fiber Plastic Splice Tray, Stores up to 24 Fusion Splices
FST-24P	24-Fiber Plastic Splice Tray, Stores up To 24 Fusion, 16 Mechanical, or 8 Mass-Fusion Splices
FST-36P	36-Fiber Plastic Splice Tray, Stores up to 36 Fusion, 24 Mechanical, or 12 Mass-Fusion Splices



Aluminum Splice Trays

ORDERING INFORMATION

PART NO.	DESCRIPTION
FST-12A	12-Fiber Aluminum Splice Tray, Stores up To 12 Fusion, 8 Mechanical, or 4 Mass-Fusion Splices
FST-24A	24-Fiber Aluminum Splice Tray, Stores up To 24 Fusion, 16 Mechanical, or 8 Mass-Fusion Splices



SPECIFICATIONS

CONSTRUCTION

- FST-2M-B/12A/24A:** Aluminum alloy, base and cover
- FST-XP:** Plastic, base and clear cover
- FST-XF:** Plastic, base and cover

DIMENSIONS

- FST-12A:** 0.5" D x 4.75" W x 7" L (13 mm x 121 mm x 177.8 mm)
- FST-24A:** 0.5" D x 4" W x 12.25" L (13 mm x 102 mm x 312 mm)
- FST-24P:** 0.5" D x 6" W x 8.25" L (13 mm x 153 mm x 210 mm)
- FST-36P:** 0.5" D x 5.75" W x 11.75" L (13 mm x 147 mm x 299 mm)
- FST-XF:** 0.4" D x 3.6" W x 6.1" L (10.5 mm x 92 mm x 155 mm)
- FST-2M-B:** 0.5" D x 5" W x 5.6" L (13 mm x 127 mm x 143 mm)

Optical Fiber Splice Trays & Sleeves



SLXM-Series Splice Tray

ORDERING INFORMATION

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

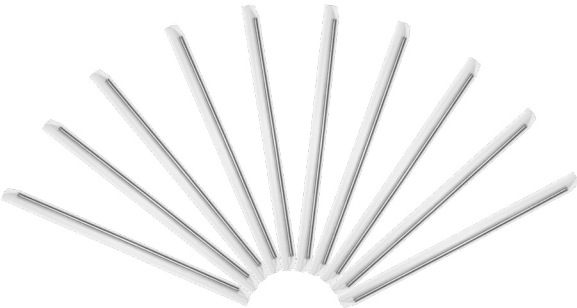
Optical Fiber Fusion Splice Sleeves

KEY FEATURES

- Stainless steel strength members provides rigidity at splice
- Pre-shrunk, heat-bonded
- Constructed with a polyolefin copolymer inner tube & polyolefin outer tube

ORDERING INFORMATION

PART NO.	DESCRIPTION
OFFSS-15-40	Fusion Splice Sleeves, 1.5 x 40 mm, 250 µm (Pack of 100)
OFFSS-30-40	Fusion Splice Sleeves, 3 x 40 mm, 250-900 µm (Pack of 100)
OFFSS-30-60	Fusion Splice Sleeves, 3.0 x 60 mm, 250-900 µm (Pack of 100)
OFFSS-09-40	Fusion Splice Sleeves, 4 x 40 mm, 250-900 µm (Pack of 100)
OFFSS-09-60	Fusion Splice Sleeves, 4 x 60 mm, 250-900 µm (Pack of 100)



SPLICE TRAY COMPATIBILITY CHART

SPLICE TRAY TYPE	ENCLOSURE TYPE							
	HIGH-DENSITY	PREMIUM HIGH-DENSITY	SLIDE-OUT	DISTRIBUTION	SPLICE	MANAGEMENT TRAY	WALL MOUNT	
Pg Ref.	B1-2	B3-4	B5	B6	B6	B7-8	B9	B10
FST-2M-B			X					
FST-XXA	X					X	X	X
FST-24P		X		X	X	X		
FST-36P		X						
FST-XXF	X					X	X	X
FST-XXF1							X	

Optical Fiber Adapter Plates

KEY FEATURES

- Meets ANSI/TIA-568-C.3 transmission performance specifications
- FOCIS compliant adapters are color-coded per ANSI/TIA-568-C.3
- Compatible with Signamax LGX footprint wall & rack-mount optical fiber enclosures & panels
- Equipped with plunger locks ("push-pins") offering tool-less installation & removal
- Unpopulated versions for customized configurations

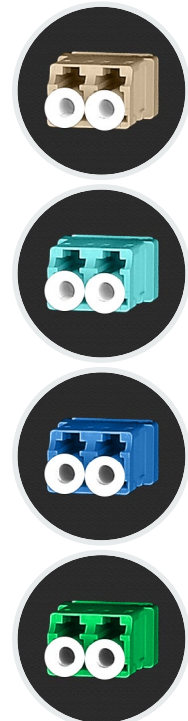


LC Adapter Plates

ORDERING INFORMATION

PART NO.	DESCRIPTION
OM1/OM2 ADAPTER PLATES	
UFE-B-06LC	12-Fiber (6-Duplex) LC MM Adapter Plate, Beige Adapters, Phosphor Bronze Sleeve
UFE-B-Q6LC	12-Fiber (3-Quadruplex) LC MM Adapter Plate, Beige Adapters, Phosphor Bronze Sleeve
UFE-B-08LC	16-Fiber (8-Duplex) LC MM Adapter Plate, Beige Adapters, Phosphor Bronze Sleeve
UFE-B-12LC	24-Fiber (6-Quadruplex) LC MM Adapter Plate, Beige Adapters, Phosphor Bronze Sleeve
OM3/OM4 ADAPTER PLATES	
UFE-B-06LC-G	12-Fiber (6-Duplex) LC MM Adapter Plate, Aqua Adapters, Ceramic Sleeve
UFE-B-Q6LC-G	12-Fiber (3-Quadruplex) LC MM Adapter Plate, Aqua Adapters, Ceramic Sleeve
UFE-B-08LC-G	16-Fiber (8-Duplex) LC MM Adapter Plate, Aqua Adapters, Ceramic Sleeve
UFE-B-12LC-G	24-Fiber (6-Quadruplex) LC MM Adapter Plate, Aqua Adapters, Ceramic Sleeve
UPC SM ADAPTER PLATES	
UFE-B-06LC-C	12-Fiber (6-Duplex) LC SM Adapter Plate, Blue Adapters, Ceramic Sleeve
UFE-B-Q6LC-C	12-Fiber (3-Quadruplex) LC SM Adapter Plate, Blue Adapters, Ceramic Sleeve
UFE-B-08LC-C	16-Fiber (8-Duplex) LC SM Adapter Plate, Blue Adapters, Ceramic Sleeve
UFE-B-12LC-C	24-Fiber (6-Quadruplex) LC SM Adapter Plate, Blue Adapters, Ceramic Sleeve
APC SM ADAPTER PLATES	
UFE-B-06LCA-C	12-Fiber (6-Duplex) LC APC SM Adapter Plate, Green Adapters, Ceramic Sleeve
UFE-B-Q6LCA-C	12-Fiber (3-Quadruplex) LC APC SM Adapter Plate, Green Adapters, Ceramic Sleeve
UFE-B-08LCA-C	16-Fiber (8-Duplex) LC APC SM Adapter Plate, Green Adapters, Ceramic Sleeve
UFE-B-12LCA-C	24-Fiber (6-Quadruplex) LC APC SM Adapter Plate, Green Adapters, Ceramic Sleeve

For Blank plates without adapters add **-B** to OM1/OM2 plate options.



Optical Fiber Adapter Plates

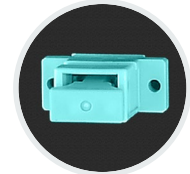


SC Adapter Plates

ORDERING INFORMATION

PART NO.	DESCRIPTION
OM1/OM2 ADAPTER PLATES	
UFE-B-06SC	6-Fiber (6-Simplex) SC MM Adapter Plate, Beige Adapters, Phosphor Bronze Sleeve
UFE-B-D6SC	6-Fiber (3-Duplex) SC MM Adapter Plate, Beige Adapters, Phosphor Bronze Sleeve
UFE-B-08SC	8-Fiber (8-Simplex) SC MM Adapter Plate, Beige Adapters, Phosphor Bronze Sleeve
UFE-B-12SC	12-Fiber (6-Duplex) SC MM Adapter Plate, Beige Adapters, Phosphor Bronze Sleeve
OM3/OM4 ADAPTER PLATES	
UFE-B-06SC-G	6-Fiber (6-Simplex) SC MM Adapter Plate, Aqua Adapters, Ceramic Sleeve
UFE-B-D6SC-G	6-Fiber (3-Duplex) SC MM Adapter Plate, Aqua Adapters, Ceramic Sleeve
UFE-B-08SC-G	8-Fiber (8-Simplex) SC MM Adapter Plate, Aqua Adapters, Ceramic Sleeve
UFE-B-12SC-G	112-Fiber (6-Duplex) SC MM Adapter Plate, Aqua Adapters, Ceramic Sleeve
UPC SM ADAPTER PLATES	
UFE-B-06SC-C	6-Fiber (6-Simplex) SC SM Adapter Plate, Blue Adapters, Ceramic Sleeve
UFE-B-D6SC-C	6-Fiber (3-Duplex) SC SM Adapter Plate, Blue Adapters, Ceramic Sleeve
UFE-B-08SC-C	8-Fiber (8-Simplex) SC SM Adapter Plate, Blue Adapters, Ceramic Sleeve
UFE-B-12SC-C	12-Fiber (6-Duplex) SC SM Adapter Plate, Blue Adapters, Ceramic Sleeve
APC SM ADAPTER PLATES	
UFE-B-06SCA-C	6-Fiber (6-Simplex) SC APC SM Adapter Plate, Green Adapters, Ceramic Sleeve
UFE-B-D6SCA-C	6-Fiber (3-Duplex) SC APC SM Adapter Plate, Green Adapters, Ceramic Sleeve
UFE-B-08SCA-C	8-Fiber (8-Simplex) SC APC SM Adapter Plate, Green Adapters, Ceramic Sleeve
UFE-B-12SCA-C	12-Fiber (6-Duplex) SC APC SM Adapter Plate, Green Adapters, Ceramic Sleeve

For Blank plates without adapters add -B to OM1/OM2 plate options.



MPT® Adapter Plates

ORDERING INFORMATION

PART NO.	DESCRIPTION
UFE-B-06MPO-X	6-Ports (72-Fiber) MPT® Adapter Plate, Black
UFE-B-08MPO-X	8-Ports (96-Fiber) MPT® Adapter Plate, Black

Specify Type of MPT® adapter by substituting X in P/N for the following: A: A Type B: B Type



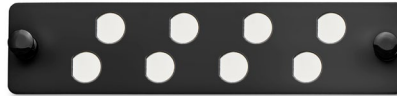
Optical Fiber Adapter Plates

KEY FEATURES

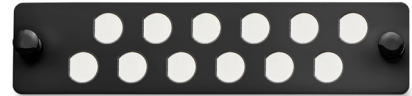
- Meets ANSI/TIA-568-C.3 transmission performance specifications
- FOCIS compliant adapters are color-coded per ANSI/TIA-568-C.3
- Unpopulated versions for customized configurations
- Compatible with Signamax LGX footprint wall & rack-mount optical fiber enclosures & panels
- Equipped with plunger locks ("push-pins") offering tool-less installation & removal



6-FIBER



8-FIBER



12-FIBER

ST Adapter Plates

ORDERING INFORMATION

PART NO.	DESCRIPTION
OM1/OM2 Adapter Plates	
UFE-B-06ST	6-Fiber (6-Simplex) ST MM Adapter Plate, Phosphor Bronze Sleeve
UFE-B-08ST	8-Fiber (8-Simplex) ST MM Adapter Plate, Phosphor Bronze Sleeve
UFE-B-12ST	12-Fiber (12-Simplex) ST MM Adapter Plate, Phosphor Bronze Sleeve

For Singlemode Zirconia Ceramic Sleeve Adapters Add **-C** to P/N.
For Blank plates without adapters add **-B** to P/N.



FC Adapter Plates

ORDERING INFORMATION

PART NO.	DESCRIPTION
OM1/OM2 Adapter Plates	
UFE-B-06FC	6-Fiber (6-Simplex) FC MM Adapter Plate, Phosphor Bronze Sleeve
UFE-B-08FC	8-Fiber (8-Simplex) FC MM Adapter Plate, Phosphor Bronze Sleeve
UFE-B-12FC	12-Fiber (12-Simplex) FC MM Adapter Plate, Phosphor Bronze Sleeve

For Singlemode Zirconia Ceramic Sleeve Adapters add **-C** to P/N.
For Blank plates without adapters add **-B** to P/N.



Blank LGX Plates

ORDERING INFORMATION

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



Keystone Adapter Plates

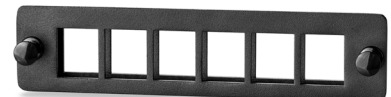
KEY FEATURES

- Designed to be a customizable plate to mix copper & fiber
- Applicable for all Signamax keystone footprint connectors
- Compatible with Signamax LGX footprint wall & rack-mount optical fiber enclosures & panels
- Plunger locks ("push-pins") offers toolless installation & removal

ORDERING INFORMATION

PART NO.	DESCRIPTION
UFE-B-K6-B	6-Port Keystone Module Adapter Plate, No Modules

Keystone Jacks sold separately refer to pages C1 - C11



Optical Fiber Adapters

KEY FEATURES

- Meets ANSI/TIA-568-C.3 component performance specifications
- FOCIS compliant adapters are color-coded per ANSI/TIA-568-C.3
- Snap-in designed retaining ring allows for quick installation
- Accommodates both multimode & singlemode versions

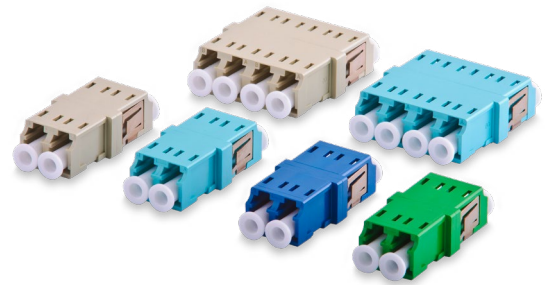
LC Optical Fiber Adapters

ORDERING INFORMATION

PART NO.	DESCRIPTION
FA-LC- QX -PB- NF -BE	LC QX OM1/OM2 Flangeless Adapter, Beige
FA-LC- QX -ZR- NF -AQ	LC QX OM3/OM4 Flangeless Adapter, Aqua
FA-LC- QX -ZR- NF -BU	LC QX SM Flangeless Adapter, Blue
FA-LC- QX -ZR- NF -GN	LC QX SM APC Flangeless Adapter, Green

For Duplex adapter substitute **QX** for **DX** in P/N.

For adapter without mounting flanges substitute **NF** for **MF** in P/N.



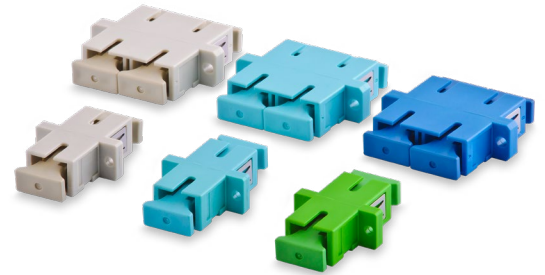
SC Optical Fiber Adapters

ORDERING INFORMATION

PART NO.	DESCRIPTION
FA-SC- DX -PB- NF -BE	SC DX OM1/OM2 Flangeless Adapter, Beige
FA-SC- DX -ZR- NF -AQ	SC DX OM3/OM4 Flangeless Adapter, Aqua
FA-SC- DX -ZR- NF -BU	SC DX SM Flangeless Adapter, Blue
FA-SC- DX -ZR- NF -GN	SC DX SM APC Flangeless Adapter, Green

For Simplex adapter substitute **DX** for **SX** in P/N

For adapter without mounting flanges substitute **NF** for **MF** in P/N



ST Optical Fiber Adapters

ORDERING INFORMATION

PART NO.	DESCRIPTION
FA-ST-SX-PB-NF-RD	ST OM1/OM2 Adapter, Steel Body, Red Cap
FA-ST-SX-ZR-NF-YE	ST SM Adapter, Steel Body, Yellow Cap



MPT® Optical Fiber Adapters

ORDERING INFORMATION

PART NO.	DESCRIPTION
FA-MPO-A12-MF-BK	MPT® Adapter, 12-Fiber Type A, Mounting Flange, Black
FA-MPO-A12-NF-BK	MPT® Adapter, 12-Fiber Type A, Flangeless, Black



SPECIFICATIONS

CONSTRUCTION

ST, FC:

Adapter Housing: Stainless steel

MM Sleeve: Phosphor bronze alloy

SM Sleeve: Zirconia ceramic

SC, LC:

Adapter Housing: High-impact thermoplastic, UL94V-0 fire-retardant

MM Sleeve: Phosphor bronze alloy

SM Sleeve: Zirconia ceramic

INSERTION LOSS

Metal sleeve: 0.10 dB Typical, 0.30 dB Max

Zirconia sleeve: 0.05 dB typical, 0.20 dB Max

MECHANICAL

Durability: < 0.1 dB typical change, 500 mating cycles

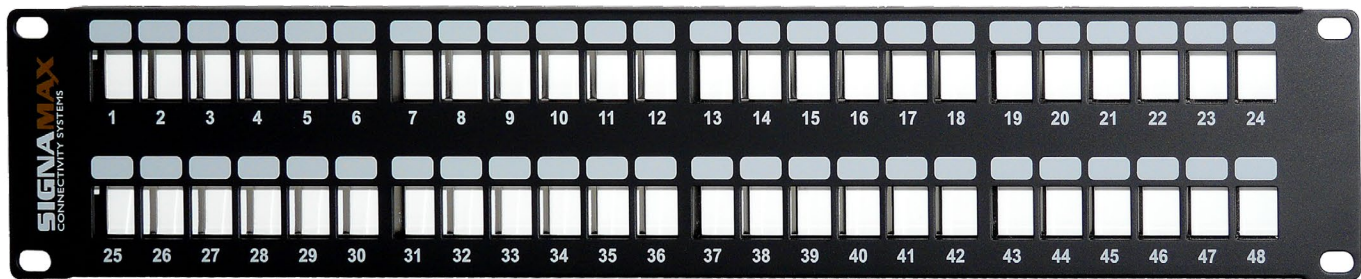
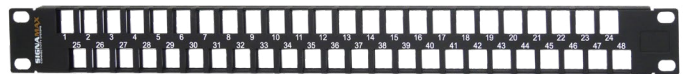
Sleeve/Ferrule Withdraw Force: 1.96 N (200 gf) (0.44 lbf) – 5.88 N (600 gf) (1.32 lbf)

Mating cycle life: Min 500 cycles

Rack-Mount Optical Fiber Panels

KEY FEATURES

- Meets ANSI/TIA-568-C.3 component performance specifications
- Meets EIA/ECA-310-E mounting standards for 19 inches
- Compatible with Signamax optical fiber keystone multimedia modules
- Equipped with removable rear cable management bar - High Density Only
- Increased termination per RMU due to compact adapter population
- Panels come as a kit with panel & black modules per port count



SPECIFICATIONS

DIMENSIONS

Panel: 19-in rack mountable
Management Bar: Installed 6.0" (153 mm) / Uninstalled 1.5" (38 mm)
Jack Mounting Opening: 0.67" W x 0.76" H (16.9 mm x 19.3 mm)

CONSTRUCTION

Panel: Front: Steel with corrosive resistant black finish/ Rear: Nickel-plated steel
Cable management bar: High-impact thermoplastic
Housing: High impact thermoplastic, UL94V-0 fire retardant
Sleeve: OM1/OM2: Phosphor bronze, OM3/OM4, SM: Zirconia ceramic

INSERTION LOSS

Metal sleeve: 0.10 dB Typical, 0.30 dB Max
Zirconia sleeve: 0.05 dB typical, 0.20 dB Max

MECHANICAL

Durability: < 0.1 dB typical change, 500 mating cycles
Sleeve/Ferrule Withdraw Force: 1.96 N (200 gf) (0.44 lbf) – 5.88 N (600 gf) (1.32 lbf)
Mating cycle life: Min 500 cycles

Rack-Mount Optical Fiber Panels

LC High-Density Optical Fiber Panel

ORDERING INFORMATION

PART NO.	DESCRIPTION
OM1/OM2 PANEL	
24HDLC-FT	24-Port OM1/OM2 LC Optical Fiber Panel, 1 RMU
48HDLC-FT	48-Port OM1/OM2 LC Optical Fiber Panel, 2 RMU
48HD1LC-F T	48-Port OM1/OM2 LC Optical Fiber Panel, 1 RMU
OM3/OM4 PANEL	
24HDLCG-FT	24-Port OM3/OM4 LC Optical Fiber Panel, 1 RMU
48HDLCG-FT	48-Port OM3/OM4 LC Optical Fiber Panel, 2 RMU
48HD1LCG-FT	48-Port OM3/OM4 LC Optical Fiber Panel, 1 RMU
SM PANEL	
24HDLCS-FT	24-Port LC/SM Optical Fiber Panel, 1 RMU
48HDLCS-FT	48-Port LC/SM Optical Fiber Panel, 2 RMU
48HD1LCS-FT	48-Port LC/SM Optical Fiber Panel, 1 RMU
24HDLCA-FT	24-Port LC/SM APC Optical Fiber Panel, 1 RMU
48HDLCA-FT	48-Port LC/SM APC Optical Fiber Panel, 2 RMU
48HD1LCA-FT	48-Port LC/SM APC Optical Fiber Panel, 1 RMU

SC High-Density Optical Fiber Panel

ORDERING INFORMATION

PART NO.	DESCRIPTION
OM1/OM2 MM PANEL	
24HDSC-FT	24-Port OM1/OM2 SC Optical Fiber Panel, 1 RMU
48HDSC-FT	48-Port OM1/OM2 SC Optical Fiber Panel, 2 RMU
48HD1SC-FT	48-Port OM1/OM2 SC Optical Fiber Panel, 1 RMU
OM3/OM4 MM PANEL	
24HDSCG-FT	24-Port OM3/OM4 SC Optical Fiber Panel, 1 RMU
48HDSCG-FT	48-Port OM3/OM4 SC Optical Fiber Panel, 2 RMU
48HD1SCG-FT	48-Port OM3/OM4 SC Optical Fiber Panel, 1 RMU
SM PANEL	
24HDSCS-FT	24-Port SC/SM Optical Fiber Panel, 1 RMU
48HDSCS-FT	48-Port SC/SM Optical Fiber Panel, 2 RMU
48HD1SCS-FT	48-Port SC/SM Optical Fiber Panel, 1 RMU
24HDSCA-FT	24-Port SC/SM APC Optical Fiber Panel, 1 RMU
48HDSCA-FT	48-Port SC/SM APC Optical Fiber Panel, 2 RMU
48HD1SCA-FT	48-Port SC/SM APC Optical Fiber Panel, 1 RMU

ST High-Density Optical Fiber Panel

ORDERING INFORMATION

PART NO.	DESCRIPTION
OM1/OM2 MM PANEL	
24HDST-FT	24-Port OM1/OM2 ST/MM Optical Fiber Panel, 1 RMU
48HDST-FT	48-Port OM1/OM2 ST/MM Optical Fiber Panel, 2 RMU
SM PANEL	
24HDSTS-FT	24-Port ST/SM UPC Optical Fiber Panel, 1 RMU
48HDSTS-FT	48-Port ST/SM UPC Optical Fiber Panel, 2 RMU

FC High-Density Optical Fiber Panel

ORDERING INFORMATION

PART NO.	DESCRIPTION
OM1/OM2 MM PANEL	
24HDFC-FT	24-Port OM1/OM2 FC/MM Optical Fiber Panel, 1 RMU
48HDFC-FT	48-Port OM1/OM2 FC/MM Optical Fiber Panel, 2 RMU
SM PANEL	
24HDFCS-FT	24-Port FC/SM UPC Optical Fiber Panel, 1 RMU
48HDFCS-FT	48-Port FC/SM UPC Optical Fiber Panel, 2 RMU

Standard-Density Optical Fiber Panels

ORDERING INFORMATION

PART NO.	DESCRIPTION
12X-FT	12-Port Standard-Density Optical Fiber Panel, 1 RMU
16X-FT	16-Port Standard-Density Optical Fiber Panel, 1 RMU
24X-FT	24-Port Standard-Density Optical Fiber Panel, 2 RMU
32X-FT	32-Port Standard-Density Optical Fiber Panel, 2 RMU
48X-FT	48-Port Standard-Density Optical Fiber Panel, 3 RMU

For adapter type substitute **X** in P/N for the following:

LC: LC OM1/OM2	SC: SC OM1/OM2	ST: ST OM1/OM2
LCG: LC OM3/OM4	SCG: SC OM3/OM4	STS: ST SM
LCS: LC SM	SCS: SC SM	FC: FC OM1/OM2
LCA: LC SM/APC	SCA: SC SM/APC	FCS: ST SM



Premium Optical Fiber Patch Cords

KEY FEATURES

- Meets ANSI/TIA-568-C.3 transmission performance specifications
- 100% factory tested for insertion and return loss
- Manufactured in the USA with Corning® optical fiber
- Cable jacket & connectors are color-coded per TIA standards



OM1/OM2 Optical Fiber Patch Cord

ORDERING CONFIGURATION

FIBER CORD	CABLE TYPE	FIBER TYPE	JACKET TYPE	CABLE DIAMETER	CONNECTOR END 1	CONNECTOR END 2	LENGTH	UNIT OF MEASURE
FC	X	X	X	X	X	X	XXX	X
	D: Duplex	6: OM1	R: Riser	1: 1.8 mm	9: LC	9: LC	001-999	F: Feet
	S: Simplex	5: OM2	P: Plenum	3: 3.0 mm	5: FC	5: FC		M: Meters
					4: SC	4: SC		
					2: ST	2: ST		

OM3/OM4 Optical Fiber Patch Cord

ORDERING CONFIGURATION

FIBER CORD	CABLE TYPE	FIBER TYPE	JACKET TYPE	CABLE DIAMETER	CONNECTOR END 1	CONNECTOR END 2	LENGTH	UNIT OF MEASURE
FC	X	XX	X	X	X	X	XXX	X
	D: Duplex	51: OM3	R: Riser	1: 1.8 mm	9: LC	9: LC	001-999	F: Feet
	S: Simplex	52: OM4	P: Plenum	3: 3.0 mm	4: SC	4: SC		M: Meters

Singlemode Optical Fiber Patch Cord

ORDERING CONFIGURATION

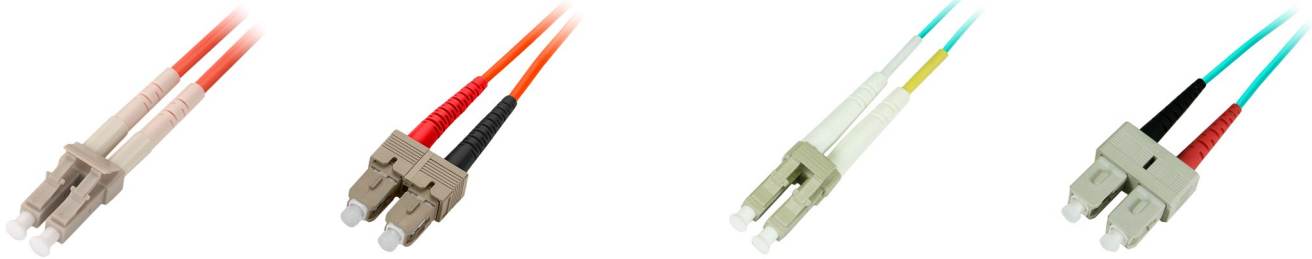
FIBER CORD	CABLE TYPE	FIBER TYPE	JACKET TYPE	CABLE DIAMETER	CONNECTOR END 1	CONNECTOR END 2	LENGTH	UNIT OF MEASURE
FC	X	X	X	X	X	X	XXX	X
	D: Duplex	9: SM	R: Riser	1: 1.8 mm	9A: LC APC	9A: LC APC	001-999	F: Feet
	S: Simplex		P: Plenum	3: 3.0 mm	9: LC	9: LC		M: Meters
					5A: FC APC	5A: FC APC		
					5: FC	5: FC		
					4A: SC APC	4A: SC APC		
					4: SC	4: SC		
					2: ST	2: ST		

P/N Example: **FC-S9R1-9-4-010M** - Optical Fiber Cord, SM SX, 1.8-mm, LC(UPC)-SC(UPC), OFNR, 10 Meters. (Note: P/N configurations are similar for all Optical Fiber Patch Cord versions.)

Optical Fiber Patch Cords

KEY FEATURES

- Meets ANSI/TIA-568-C.3 transmission performance specifications
- 100% factory tested for insertion and return loss
- Cable jacket & connectors are color-coded per TIA standards
- Available in three standard lengths and six connector combinations



OM1 Duplex Optical Fiber Patch Cord Ordering Configuration

FIBER CORD	CONNECTOR END 1	CONNECTOR END 2	LENGTH
FC	X	X	X
	9: LC	9: LC	1M
	4: SC	4: SC	2M
	2: ST	2: ST	3M

OM2 Duplex Optical Fiber Patch Cord ORDERING CONFIGURATION

FIBER CORD	CONNECTOR END 1	CONNECTOR END 2	LENGTH
FC50	X	X	X
	9: LC	9: LC	1M
	4: SC	4: SC	2M
	2: ST	2: ST	3M

OM3 Duplex Optical Fiber Patch Cord ORDERING CONFIGURATION

FIBER CORD	CONNECTOR END 1	CONNECTOR END 2	LENGTH
FC51	X	X	X
	9: LC	9: LC	1M
	4: SC	4: SC	2M
			3M

Singlemode Optical Fiber Patch Cord ORDERING CONFIGURATION

FIBER CORD	CABLE TYPE	CONN. END 1	CONN. END 2	LENGTH
FC	X	X	X	X
	S: Duplex	9: LC	9: LC	1M
	9S: Simplex	4: SC	4: SC	2M
		2: ST	2: ST	3M

SPECIFICATIONS

PREMIUM OPTICAL FIBER PATCH CORDS INSERTION & RETURN LOSS

Return Loss:
PC: ≤ -30 dB
UPC: ≤ -50 dB
APC: ≤ -60 dB
Insertion Loss:
MM: 0.20 dB Typical, 0.30 dB Max
SM: 0.15 dB Typical, 0.25 dB Max

CONSTRUCTION

Cable: Simplex or Duplex
Outer Jacket: Thermoplastic
Strain Relief: Thermoplastic
Diameter:
ST/SC: 3 mm
LC: 2 mm

OPTICAL FIBER PATCH CORDS INSERTION & RETURN LOSS

Return Loss:
PC: ≤ -30 dB
UPC: ≤ -50 dB
Insertion Loss:
MM: 0.25 dB Typical, 0.35 dB Max
SM: 0.20 dB Typical, 0.30 dB Max

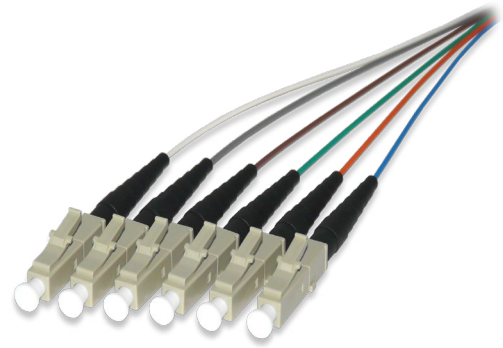
CONSTRUCTION

Cable: OM1-3 - Duplex/MM; Singlemode - Simplex or Duplex
Outer Jacket: Thermoplastic (OFNR-rated)
Strain Relief: Thermoplastic
Diameter:
ST/SC: 3 mm
LC: 2 mm

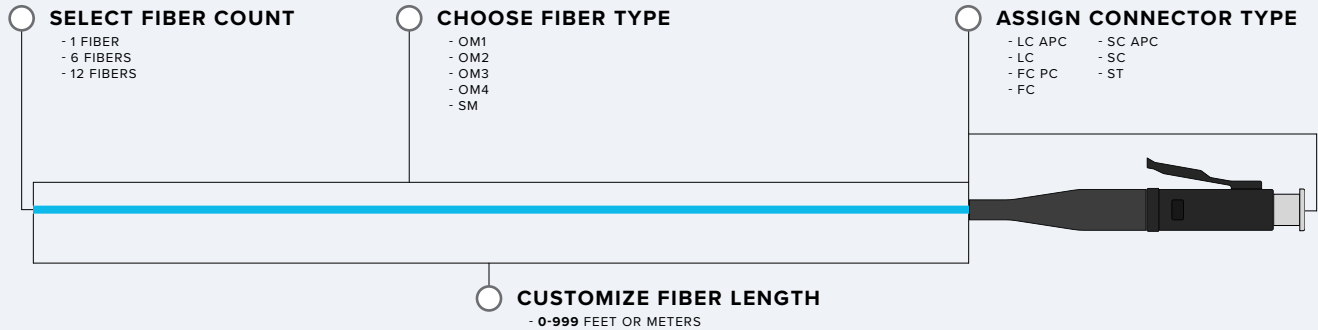
Optical Fiber Pigtails

KEY FEATURES

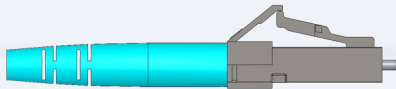
- Meets ANSI/TIA-568-C.3 transmission performance specifications
- 100% factory tested for insertion and return loss
- Customizable features include fiber type, connector type & length
- 900- μ m buffered simplex cable
- Suitable for fusion or mechanical splicing
- Connector options include SC, LC, ST, & FC
- Multi-strand & single-strand pigtail buffer color-coded per TIA standards



CONFIGURATION OPTIONS



LC CONNECTOR



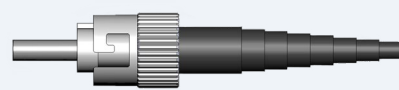
SC CONNECTOR



FC CONNECTOR



ST CONNECTOR



SPECIFICATIONS

TRANSMISSION PERFORMANCE

Multimode 62.5/125 μ m (OM1):

850 nm: 200 MHz-km; 1300 nm: 500 MHz-km

Multimode 50/125 μ m (OM2):

850 nm: 500 MHz-km; 1300 nm: 500 MHz-km

Multimode 50/125 μ m (OM3):

850 nm OFL: 1500 MHz-km/850 nm RML: 2000 MHz-km; 1300 nm: 500 MHz-km

Multimode 50/125 μ m (OM4):

850 nm OFL: 3500 MHz-km/850 nm RML: 4700 MHz-km; 1300 nm: 500 MHz-km

Return loss:

PC: \leq -30 dB

UPC: \leq -50 dB

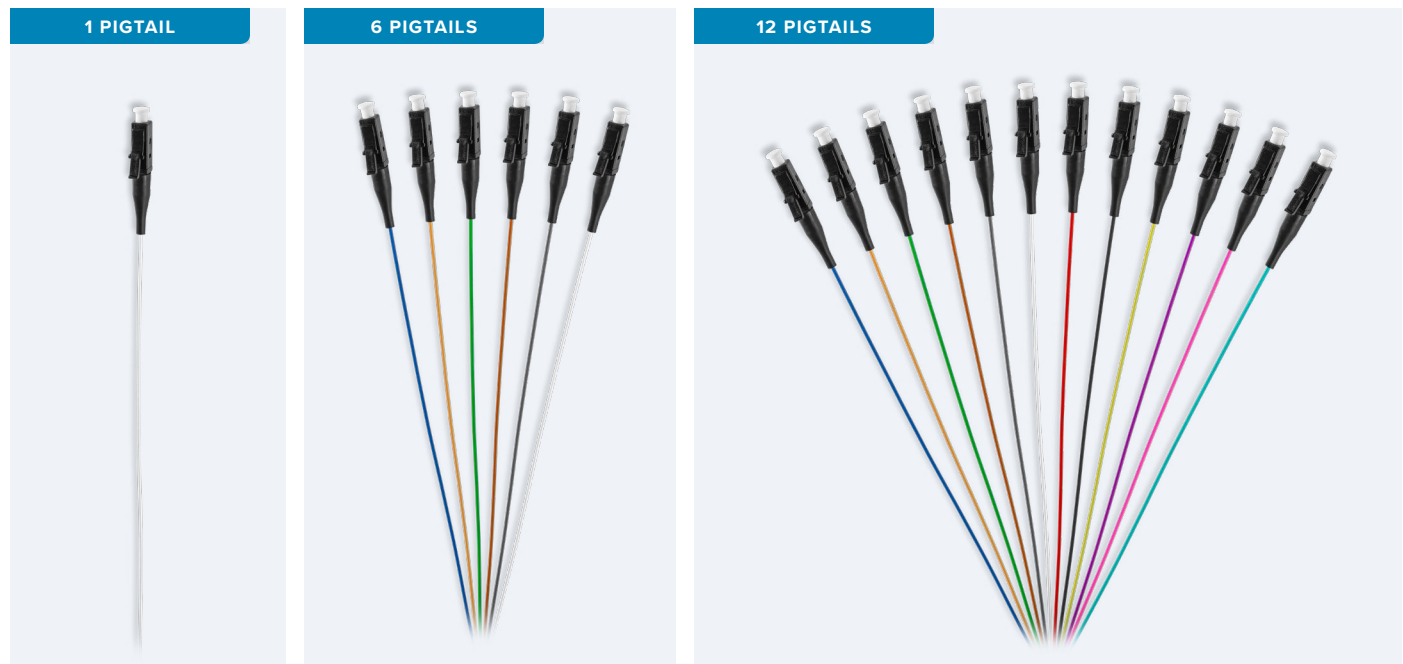
APC: \leq -60 dB

Insertion loss:

MM: 0.20 dB Typical, 0.30 dB Max

SM: 0.15 dB Typical, 0.25 dB Max

Optical Fiber Pigtails



Optical Fiber Pigtails

ORDERING CONFIGURATION

PIGTAIL	FIBER COUNT	FIBER TYPE	CONNECTOR TYPE	LENGTH	UNIT OF MEASURE
FP	X	XX	XX	XXX	X
	1	6: OM1	9A: LC APC	001-999	F: Feet
	6	5: OM2	9: LC		M: Meters
	12	51: OM3	5A: FC APC		
		52: OM4	5: FC		
		9: SM	4A: SC APC		
			4: SC		
			2: ST		

PART NUMBER EXAMPLE : FP6-9-9-003M

The part number above represents a 6 fiber singlemode pigtail kit with a LC Connectors configured to be 3 meters in length.

SPECIFICATIONS

CONSTRUCTION

Cable: 900 μm buffered white simplex
Outer Jacket: Thermoplastic
Strain Relief: Thermoplastic

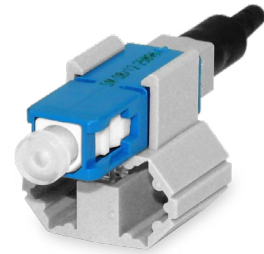
MECHANICAL

Connector Ferrule: ceramic
End-Face Radius of Curvature: 10 mm (0.39 in) < R < 30 mm (1.18 in)
Apex Offset: < 50 μm

Premium Pre-Polished Optical Fiber Connectors

KEY FEATURES

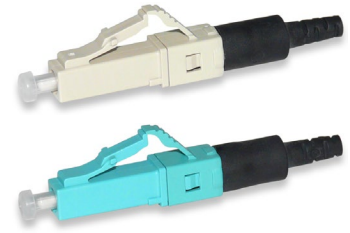
- Factory polished & pre-tested for field installation
- Integrated alignment mechanism & index-matching gel
- Connector bodies are color-coded per ANSI/TIA-568-C.3
- Termination clip and detailed installation instructions supplied with each connector



Premium LC Pre-Polished Optical Fiber Connectors

ORDERING INFORMATION

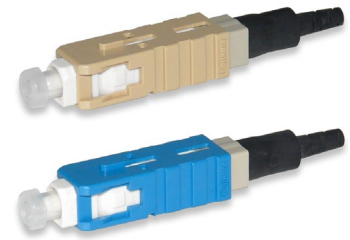
PART NO.	DESCRIPTION
FPC-LC06	LC OM1 Pre-Polished OF Connector, 900 μm Boot, Beige (Pack of 6)
FPC-LC05	LC OM2 Pre-Polished OF Connector, 900 μm Boot, Black (Pack of 6)
FPC-LC51	LC OM3/OM4 Pre-Polished OF Connector, 900 μm Boot, Aqua (Pack of 6)
FPC-LC09	LC SM UPC Pre-Polished OF Connector, 900 μm Boot, Blue (Pack of 6)



Premium SC Pre-Polished Optical Fiber Connectors

ORDERING INFORMATION

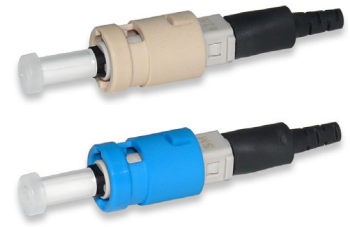
PART NO.	DESCRIPTION
FPC-SC06	SC OM1 Pre-Polished OF Connector, 900 μm Boot, Beige (Pack of 6)
FPC-SC05	SC OM2 Pre-Polished OF Connector, 900 μm Boot, Black (Pack of 6)
FPC-SC51	SC OM3/OM4 Pre-Polished OF Connector, 900 μm Boot, Aqua (Pack of 6)
FPC-SC09	SC SM Pre-Polished OF Connector, 900 μm Boot, Blue (Pack of 6)
FPC-SCAU	SC SM APC Pre-Polished OF Connector, Flat Cleave, 900 μm Boot, Green (Pack of 6)
FPC-SCAA	SC SM APC Pre-Polished OF Connector, Angle Cleave, 900 μm Boot, Green (Pack of 6)



Premium ST Pre-Polished Optical Fiber Connectors

ORDERING INFORMATION

PART NO.	DESCRIPTION
FPC-ST06	ST OM1 Pre-Polished OF Connector, 900 μm Boot, Beige (Pack of 6)
FPC-ST05	ST OM2 Pre-Polished OF Connector, 900 μm Boot, Black (Pack of 6)
FPC-ST51	ST OM3/OM4 Pre-Polished OF Connector, 900 μm Boot, Aqua (Pack of 6)
FPC-ST09	ST SM UPC Pre-Polished OF Connector, 900 μm Boot, Blue (Pack of 6)



Premium Pre-Polished Optical Fiber Connector Boots

ORDERING INFORMATION

PART NO.	DESCRIPTION
FPC-B2MM	2 mm Black Boot Kit (Pack of 6)
FPC-B3MM	3 mm Black Boot Kit (Pack of 6)



SPECIFICATIONS

TRANSMISSION PERFORMANCE

Return loss:

PC: ≤ -20 dB / **UPC:** ≤ -45 dB

APC-AU: ≤ -50 dB / **APC-AA:** ≤ -60 dB

Insertion loss:

MM: 0.10 dB Typical, 0.50 dB Max

SM-UPC: 0.20 dB Typical, 0.50 dB Max

SM-APC: 0.30 dB Typical, 0.60 dB Max

CONSTRUCTION

Body: Thermoplastic

Ferrule: Ceramic

Strain Relief Boot: Thermoplastic

Pre-Polished Optical Fiber Connectors

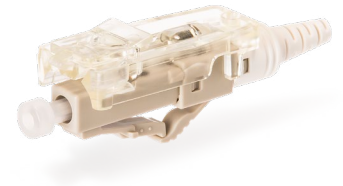
KEY FEATURES

- Factory polished & pre-tested for field installation
- Integrated alignment mechanism & index-matching gel
- Connector bodies are color-coded per ANSI/TIA-568-C.3
- Durable slim-profile boots offer flexible cable strain relief
- Termination clip and detailed installation instructions supplied with each connector

LC Pre-Polished Optical Fiber Connectors

ORDERING INFORMATION

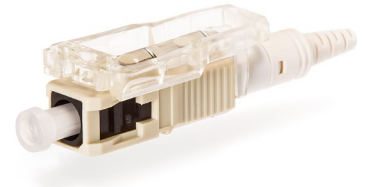
PART NO.	DESCRIPTION
FPC6-LC06-02	LC OM1 Pre-Polished OF Connector, 900 μm Boot, Beige (Pack of 6)
FPC6-LC05-02	LC OM2 Pre-Polished OF Connector, 900 μm Boot, Black (Pack of 6)
FPC6-LC51-02	LC OM3/OM4 Pre-Polished OF Connector, 900 μm Boot, Aqua (Pack of 6)
FPC6-LC09-02	LC SM UPC Pre-Polished OF Connector, 900 μm Boot, Blue (Pack of 6)



SC Pre-Polished Optical Fiber Connectors

ORDERING INFORMATION

PART NO.	DESCRIPTION
FPC6-SC06-02	SC OM1 Pre-Polished OF Connector, 900 μm Boot, Beige (Pack of 6)
FPC6-SC05-02	SC OM2 Pre-Polished OF Connector, 900 μm Boot, Black (Pack of 6)
FPC6-SC51-02	SC OM3/OM4 Pre-Polished OF Connector, 900 μm Boot, Aqua (Pack of 6)
FPC6-SC09-02	SC SM Pre-Polished OF Connector, 900 μm Boot, Blue (Pack of 6)
FPC6-SCAA-02	SC SM APC Pre-Polished OF Connector, Flat Cleave, 900 μm Boot, Green (Pack of 6)



Pre-Polished Connectors Assembly Jig

ORDERING INFORMATION

PART NO.	DESCRIPTION
FPC-JIG-02-SC	SC Connector Assembly Jig
FPC-JIG-02-LC	LC Connector Assembly Jig

SPECIFICATIONS

TRANSMISSION PERFORMANCE

Return loss:

PC: ≤ 55 dB SM / ≤ 35 dB MM

APC: ≤ 60 dB SM / ≤ 35 dB MM

Insertion loss:

MM: 0.10 dB Typical, 0.40 dB Max

SM-PC: 0.20 dB Typical, 0.30 dB Max

SM-APC: 0.30 dB Typical, 0.50 dB Max

CONSTRUCTION

Body: Thermoplastic

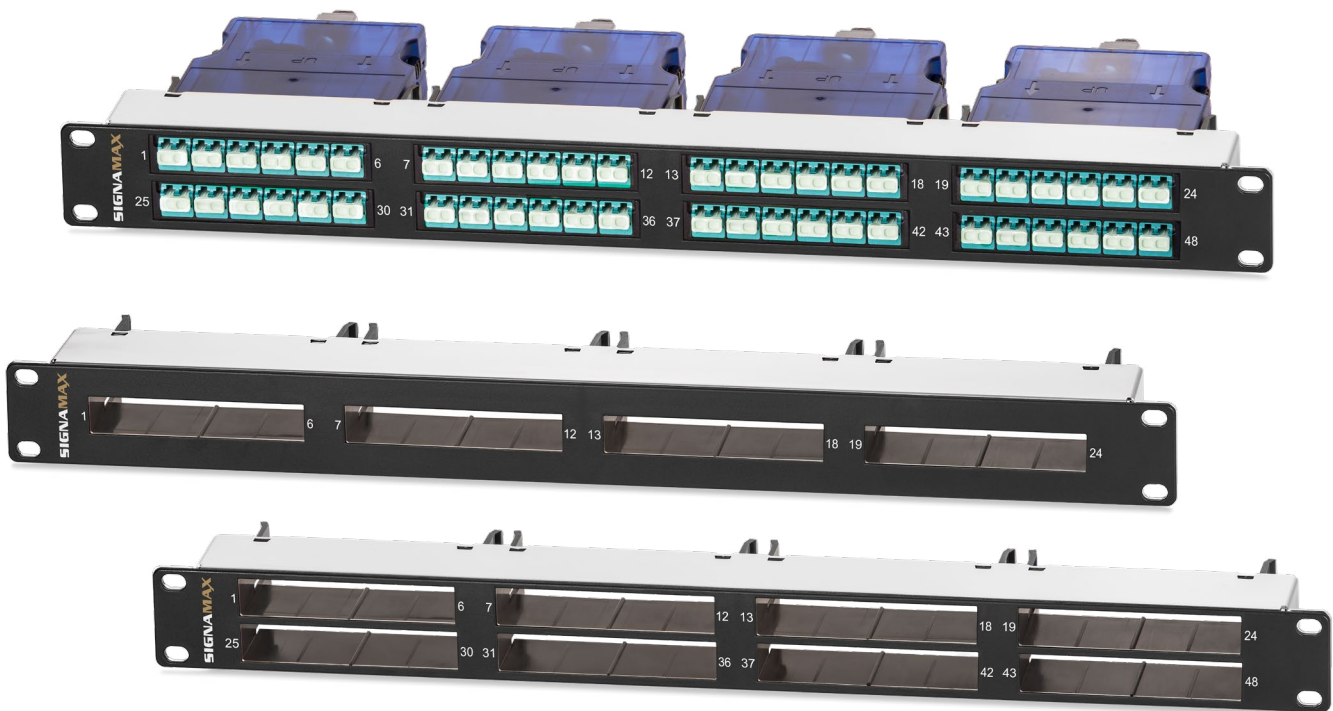
Ferrule: Ceramic

Strain Relief Boot: Thermoplastic

DCF-Series High-Density Panels & Pre-Terminated Cassettes

KEY FEATURES

- Meets ANSI/TIA-568-C.3 transmission performance specifications
- 100% factory tested for insertion and return loss
- Convenient approach to allow quick deployment of any fiber cabling project
- Quick-release lever for effortless insertion & removal
- Two cassette configurations with up to 12 fiber connections
- Cable jacket & connectors are color-coded per TIA standards



DCF-Series High Density Panels

ORDERING INFORMATION

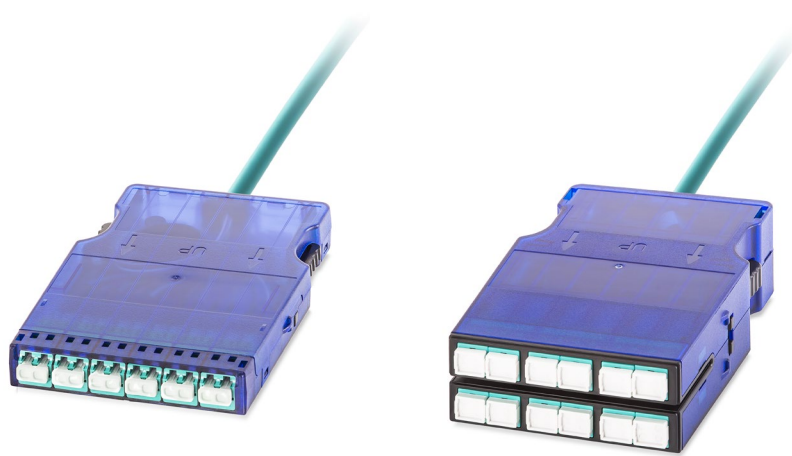
PART NO.	DESCRIPTION
24DCF-4CT	24-Adapter 4-Cassette Optical Fiber Patch Panel, 1 RMU
48DCF-8CT	48-Adapter 8-Cassette Optical Fiber Patch Panel, 2 RMU

CABLE MANAGEMENT ACCESSORIES

CMB-250-P	Panel-Mount Cable Management Bar, Plastic Body
CMB-550-M	Panel-Mount Cable Management Bar, Metal Body
CMB-B1-B	Cable Management Bar Mounting Bracket, 1 RMU
CMB-B12-B	Cable Management Bar Mounting Bracket, 2 RMU

Cable management accessories sold separately.

DCF-Series High-Density Panels & Pre-Terminated Cassettes



DCF-Series Pre-Terminated Cassette Assemblies

ORDERING CONFIGURATION

FIBER COUNT	ASSEMBLY TYPE	FIBER TYPE	CASSETTE END 1	CASSETTE END 2	POLARITY	CABLE TYPE	LENGTH	UNIT OF MEASURE
12	DCFA	XX	XX	XX	X	X	XXX	X
		M1: OM1	9A: LC APC	9A: LC APC	C: Consecutive	R: Riser	001-999	M: Meter
		M2: OM2	9: LC	9: LC	R: Reverse-Pair	P: Plenum		F: Feet
		M3: OM3	4A: SC APC	4A: SC APC		L: LSZH		
		M4: OM4	4: SC	4: SC				
		SM: SM						



DCF-Series Pre-Terminated Cassette with MPT® Interface

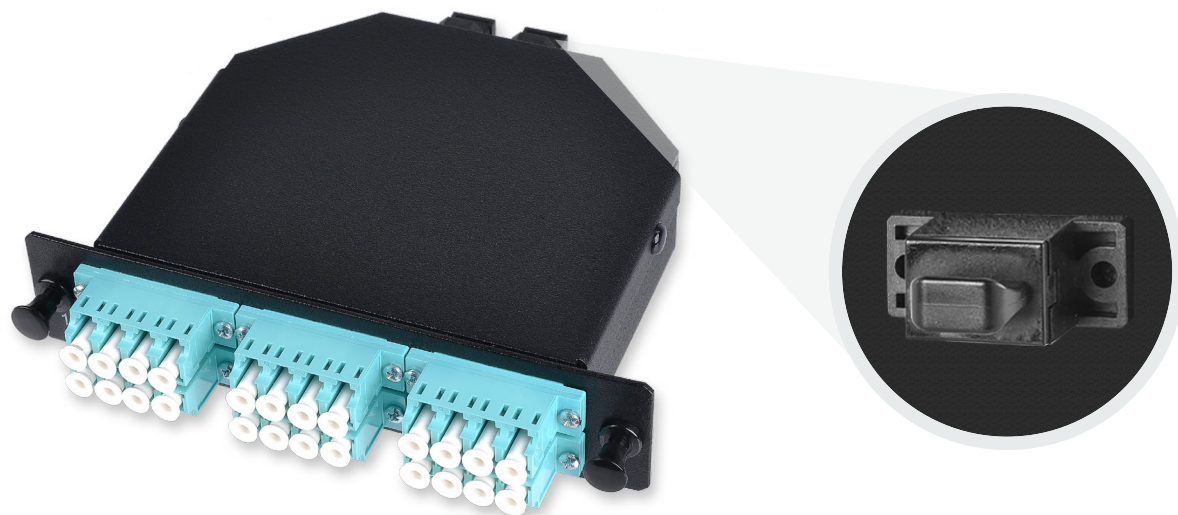
ORDERING CONFIGURATION

FIBER COUNT	ASSEMBLY TYPE	FIBER TYPE	CONNECTOR TYPE	POLARITY
12	DCFC	XX	XX	X
		M1: OM1	4: SC	A
		M2: OM2	4A: SC APC	B
		M3: OM3	9: LC	
		M4: OM4	9A: LC APC	
		SM: SM		

Pre-Terminated Optical Fiber Cassettes

KEY FEATURES

- Meets ANSI/TIA-568-C.3 transmission performance specifications
- Plug-n-play design for high-density optical fiber applications
- Customizable LGX style cassette with five connector options
- Compatible with Signamax LGX footprint wall & rack-mount optical fiber enclosures & panels
- OM1, OM2, OM3, OM4 multimode and OS1 singlemode connections
- Available in 6 to 24 fiber count configurations



Pre-Terminated Optical Fiber Cassette

ORDERING CONFIGURATION

MPT® CASSETTE	FIBER COUNT	CONNECTOR TYPE	FIBER TYPE	POLARITY
FCM	XX	XXX	XX	X
	06: 6 Fiber	LCA: LC APC	M1: OM1	A
	12: 12 Fiber	LC: LC	M2: OM2	B
	24: 24 Fiber	SCA: SC APC	M3: OM3	
		SC: SC	M4: OM4	
		ST: ST	SM: SM	

P/N Example: **FCM-24LC-M3A** 24-Fiber Pre-Terminated Cassette, 6 × LC QX to 2 × MPT (12) M Type A

SPECIFICATIONS

TRANSMISSION PERFORMANCE

Bandwidth:

850 nm: 200 MHz-km (OM1)

850 nm: 850 MHz-km (OM2)

850 nm: 2000 MHz-km (OM3)

Return Loss:

MM: ≤ -35 dB @ 850 nm

SM: ≤ -50 dB @ 1050 nm

Insertion Loss:

MM: ≤ 0.2 dB @ 850 nm

SM: ≤ 0.2 dB @ 1050 nm

MPT® Optical Fiber Patch Cords & Assemblies

KEY FEATURES

- Telcordia GR-769 compliant
- Meets ANSI/TIA-568-C.3 transmission performance specifications
- 100% factory tested for insertion and return loss
- Cable jacket & connectors are color-coded per TIA standards
- Insertion loss on SM - Typical 0.1 dB
- Insertion loss on MM - Typical 0.08 dB



MPT® Patch Cord

ORDERING CONFIGURATION

MPT® ASSEMBLY	FIBER COUNT	POLARITY	FIBER TYPE	JACKET TYPE	CONNECTOR END 1	CONNECTOR END 2	LENGTH	UNIT OF MEASURE
FMA	XX	X	XX	X	XX	XX	XXX	X
	12: 12 Fiber	A	M1: OM1	R: OFNR	7F: MPT (F)	7F: MPT (F)	001-999	F: Feet
	24: 24 Fiber	B	M2: OM2	P: OFNP	7M: MPT (M)	7M: MPT (M)		M: Meter
		C	M3: OM3	L: LSZH	7FA: MPT (F) APC	7FA: MPT (F) APC		
			M4: OM4		7MA: MPT (M) APC	7MA: MPT (M) APC		
			SM: SM					

P/N Example: **FMA12-AM3P7F7F035F** 12-Fiber Polarity A MPT Assembly, OM3 OFNP, MPT® (F) to MPT® (F), 35 ft.

MPT® Fan-Out Assembly

ORDERING CONFIGURATION

MPT® ASSEMBLY	FIBER COUNT	FIBER TYPE	JACKET TYPE	MPT® CONNECTOR	FAN-OUT CONNECTOR	FAN-OUT LENGTH (CM)	LENGTH	UNIT OF MEASURE
FMF	XX	XX	X	XX	XX	XX	XXX	X
	12: 12 Fiber	M1: OM1	R: OFNR	7F: MPT (F)	9A: LC APC	10-99	001-999	F: Feet
	24: 24 Fiber	M2: OM2	P: OFNP	7M: MPT (M)	90: LC			M: Meter
		M3: OM3	L: LSZH	7FA: MPT (F) APC	4A: SC APC			
		M4: OM4		7MA: MPT (M) APC	40: SC			
		SM: SM			20: ST			

P/N Example: **FMF12-M3P7F4030035** 12-Fiber MPT Fan-Out, OM3 OFNP, MPT(F)-to-SC, 30-cm fan-out, 35 ft.

MECHANICAL

Connector Ferrule: Ceramic
End-Face Radius of Curvature: 10 mm (0.39 in) < R < 30 mm (1.18 in)
Apex Offset: < 50 µm

CONSTRUCTION

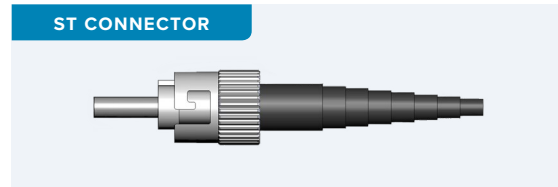
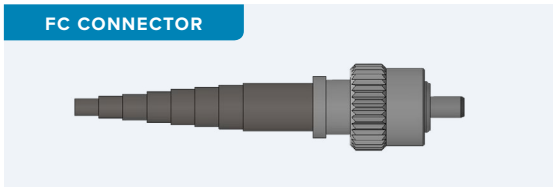
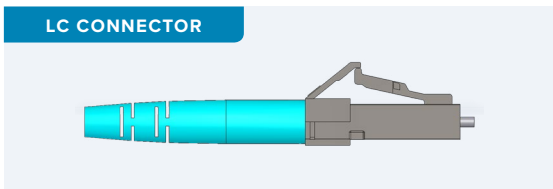
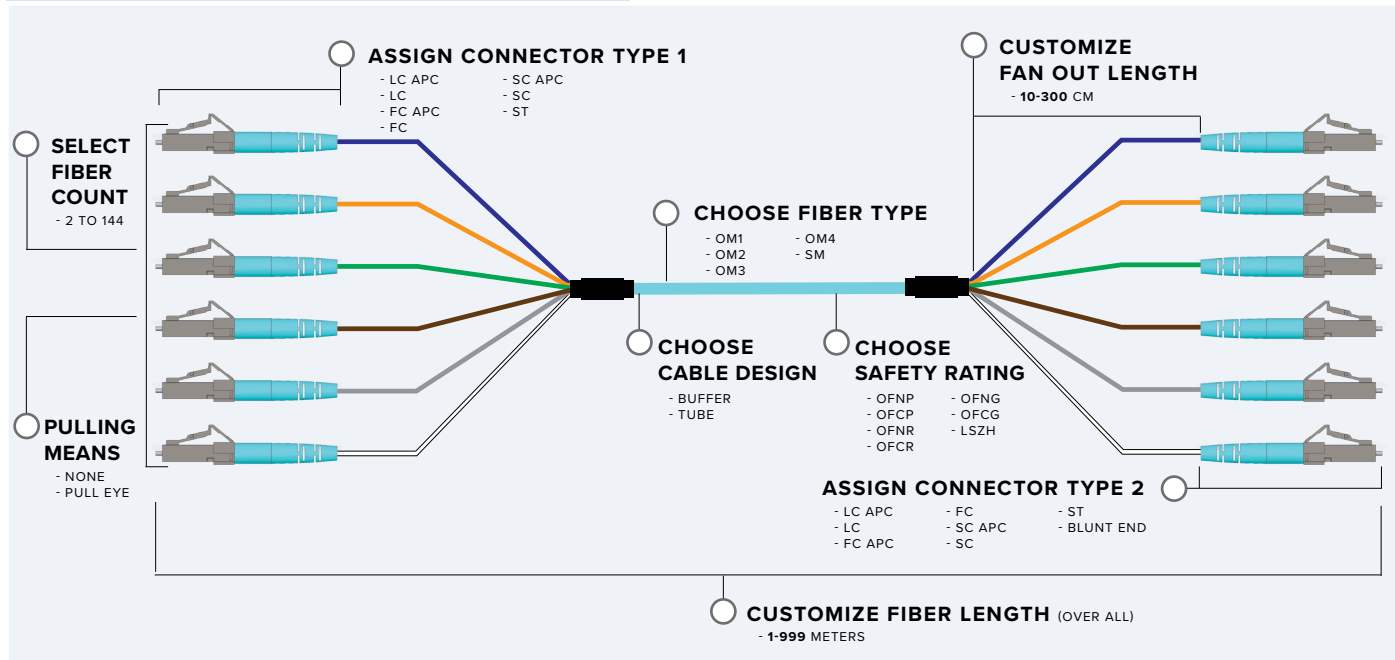
Cable: Simplex or Duplex
Outer Jacket: Thermoplastic (OFNR-rated)
Strain Relief: Thermoplastic

Optical Fiber Trunk Cables

KEY FEATURES

- Meets ANSI/TIA-568-C.3 transmission performance specifications
- 100% factory tested for insertion and return loss
- Customizable features include fiber count, fiber type, safety rating, length, etc.
- Integrated for an optional pulling eye for a no hassle installation
- Connector options include SC, LC, ST, FC, & an option for one to be a blunt end
- Cable jacket & connectors are color-coded per TIA standards

CONFIGURATION OPTIONS



SPECIFICATIONS

TRANSMISSION PERFORMANCE

Multimode 62.5/125 μm (OM1):

850 nm: 200 MHz-km; 1300 nm: 500 MHz-km

Multimode 50/125 μm (OM2):

850 nm: 500 MHz-km; 1300 nm: 500 MHz-km

Multimode 50/125 μm (OM3):

850 nm OFL: 1500 MHz-km/850 nm RML: 2000 MHz-km;

1300 nm: 500 MHz-km

Multimode 50/125 μm (OM4):

850 nm OFL: 3500 MHz-km/850 nm RML: 4700 MHz-km;

1300 nm: 500 MHz-km

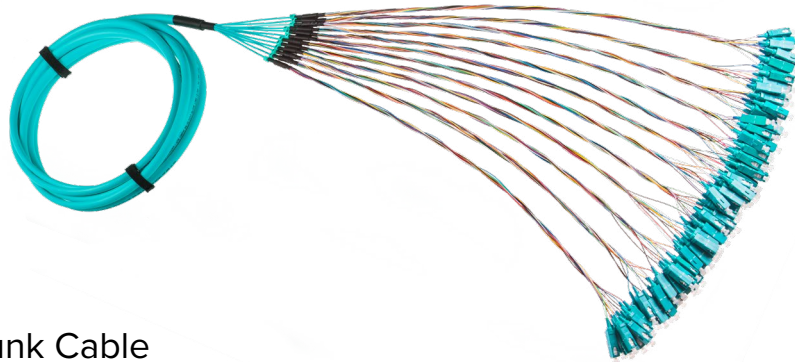
Return loss:

PC: ≤ -30 dB

UPC: ≤ -50 dB

APC: ≤ -60 dB

Optical Fiber Trunk Cables



Optical Fiber Trunk Cable

ORDERING CONFIGURATION

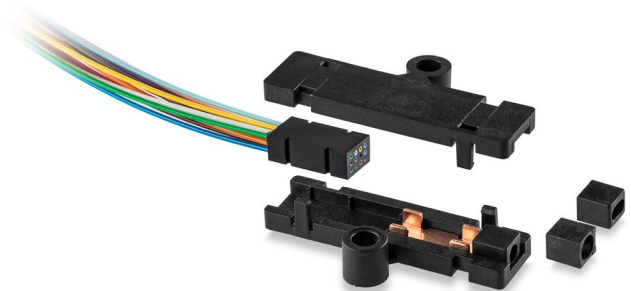
TRUNK	FIBER COUNT	CABLE DESIGN	PULLING MEANS	FIBER TYPE	SAFETY RATING	CONNECTORS END 1	CONNECTORS END 2	FAN-OUT LENGTH (CM)	LENGTH (M)
FT	XXX	X	X	XX	XX	XX	XX	XX	XXX
	002-144	A: Buffer B: Tube	O: None W: Pull Eye	M1: OM1 M2: OM2 M3: OM3 M4: OM4 SM: SM	01: OFNP 02: OFCP 03: OFNR 04: OFCR 05: OFNG 06: OFCG LZ: LSZH	9A: LC APC 90: LC 5A: FC APC 50: FC 4A: SC APC 40: SC 20: ST	9A: LC APC 90: LC 5A: FC APC 50: FC 4A: SC APC 40: SC 20: ST	16-92	001-999
							NC: Blunt End		

P/N Example: FT072AWM30190903050 Optical Fiber Trunk, 72 Fibers, Buffer, Pulling Eye, OM3, OFNP, LC-to-LC, 30 cm Fan-Out, 50 M.

Fan Out Optical Fiber Kit

KEY FEATURES

- Converts loose tube fibers into tight buffered fibers ready for direct termination
- Color-coded tubes allow easy identification
- Requires no proprietary tools or epoxy
- Extra stability when bolted to the hardware



ORDERING INFORMATION

PART NO.	DESCRIPTION
FOK-90M0625	6-Fiber 900 μm Fan Out Kit, 25"
FOK-90M1225	12-Fiber 900 μm Fan Out Kit, 25"

INSERTION LOSS:

MM: 0.20 dB Typical, 0.30 dB Max
SM: 0.15 dB Typical, 0.25 dB Max

CONSTRUCTION

Cable: 900 μm Buffered white simplex
Outer Jacket: Thermoplastic (OFNR-rated)
Strain Relief: Thermoplastic

MECHANICAL

Connector Ferrule: ceramic
End-Face Radius of Curvature: 10 mm (0.39 in) < R < 30 mm (1.18 in)
Apex Offset: < 50 μm

Optical Fiber Tools & Accessories

Optical Fiber Termination Tool Kit

KEY FEATURES

- Compact and lightweight case with all the basic optical fiber preparation tools
- Tool kit includes the following:
 1. Multi-compartment storage box
 2. Optical fiber stripper (2.3 mm, 0.9 mm, 0.25 mm)
 3. Black ink marker pen
 4. 1/2" round cable cutter
 5. 150 mm (6.in) steel ruler
 6. Electrician's scissors
 7. Cleaning kit: wipes, swabs, alcohol
 8. Fiber optic Kevlar cutter
 9. Electrical Tape (Not pictured)
 10. Safety glasses (Not pictured)



ORDERING INFORMATION

PART NO.	DESCRIPTION
OFTTK-1	Optical Fiber Termination Tool Kit

LC-Style Optical Fiber Connector Extraction Tool

KEY FEATURES

- Designed for both connector extraction and insertion in high-density termination fields
- Specifically engineered jaws fit all LC-style connector types
- Compatible with simplex and duplex connector constructions, jumpers and pigtails



ORDERING INFORMATION

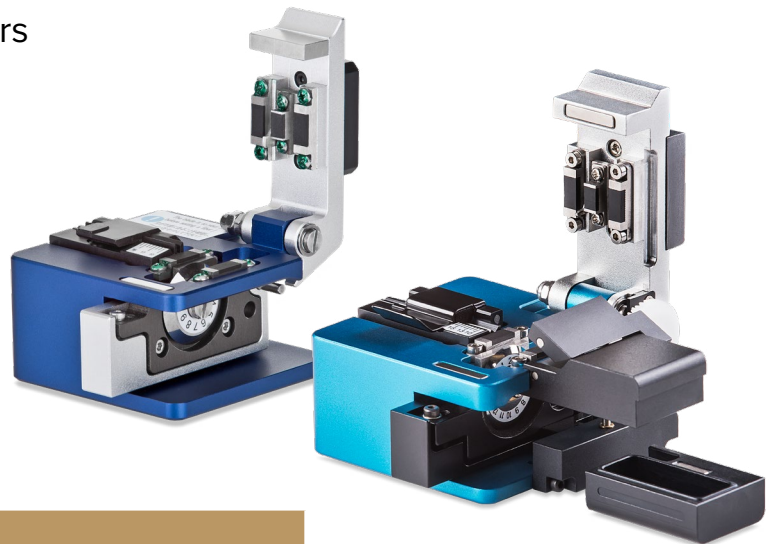
PART NO.	DESCRIPTION
LC-ET	LC-style Optical Fiber Connector Extraction Tool

Optical Fiber Tools & Accessories

High-Precision Optical Fiber Cleavers

KEY FEATURES

- Semi-automatic operation for minimum steps
- Blade service life of at least 25,000 cuts
- Capacity of one fiber, 0.25 or 0.9 mm coating
- Cutting angle – $\leq 0.5^\circ$
- Compact and lightweight
- Complete with soft carrying pouch



ORDERING INFORMATION

PART NO.	DESCRIPTION
OFHPC-1	High-Precision Optical Fiber Cleaver
OFHPC-2	High-Precision Optical Fiber Cleaver with Fiber Scrap Collector
OFHPC-1-1	Replacement Cutting Blade for OFHPC-1
OFHPC-2-1	Replacement Cutting Blade for OFHPC-2

Optical Fiber Thermal Buffer Stripper

KEY FEATURES

- Semi-automatic operation for end-stripping or mid-span (window) stripping
- Five hours of battery life with continuous heating & a power saving mode option
- Accommodates four temperature modes: 158 °F, 164 °F, 230 °F, 266 °F
- Equipped with dual power supplies (internal battery & external power supply)



ORDERING INFORMATION

PART NO.	DESCRIPTION
OFTBS-1	Optical Fiber Thermal Buffer Stripper
OFTFH-1	1-Fiber Capacity Optical Fiber Tool Fiber Holder
OFTFH-4	4-Fiber Capacity Optical Fiber Tool Fiber Holder
OFTFH-8	8-Fiber Capacity Optical Fiber Tool Fiber Holder
OFTFH-12	12-Fiber Capacity Optical Fiber Tool Fiber Holder

Fiber holders are sold separately.

Optical Fiber Tools & Accessories

Pocket-Pen Style Optical Fiber Visual Fault Locators

KEY FEATURES

- Simple pocket-pen style with a lightweight design & convenient protection pouch
- FP-LD 650-nm laser diode (visible red)
- Simple one-button control to switch between continuous or pulse modes
- Interfaces with ST & LC style connectors



ORDERING INFORMATION

PART NO.	DESCRIPTION
OFVFL-1	Optical Fiber Visual Fault Locator, Pocket-Pen Style, 1.25 mm (LC)
OFVFL-2	Optical Fiber Visual Fault Locator, Pocket-Pen Style, 2.5 mm (ST, FC, SC)

Batteries are not included; require 2 AAA-size batteries.

Heavy-Duty Optical Fiber Visual Fault Locator

KEY FEATURES

- Rugged, crash, dust, and splash proof copper-alloy body
- Convenient protection pouch
- FP-LD 650-nm laser diode (visible red)
- Simple one-button control to switch between continuous or pulse modes
- Interfaces with ST & LC style connectors



ORDERING INFORMATION

PART NO.	DESCRIPTION
OFVFL-3	Optical Fiber Visual Fault Locator, Field Heavy-Duty, 2.5 mm (ST, FC, SC) 1mW
OFVFL-3-1	1.25-mm (LC) Adapter for OFVFL-3

Batteries are not included; require 2 AA-size batteries.

Optical Fiber Tools & Accessories

Optical Fiber Loopback Modules

KEY FEATURES

- Designed to troubleshoot active network equipment
- Durable for up to 500 mating cycles
- Insertion loss of 0.35 dB MM / 0.20 dB SM
- Return loss of only -30 dB



ORDERING INFORMATION

PART NO.	DESCRIPTION
OFLB-SC-OM1	Optical Fiber Loopback Module, SC OM1
OFLB-SC-OM2	Optical Fiber Loopback Module, SC OM2
OFLB-SC-SM	Optical Fiber Loopback Module, SC SM
OFLB-LC-OM1	Optical Fiber Loopback Module, LC OM1
OFLB-LC-OM2	Optical Fiber Loopback Module, LC OM2
OFLB-LC-SM	Optical Fiber Loopback Module, LC SM

TECH TIP FOCUS: PERFORMANCE CURRENTLY IN USE

TRANSMISSION PERFORMANCE OF OPTICAL FIBERS IN ICT CABLING SYSTEMS

TYPE	MULTIMODE										SINGLEMODE			
	OM1		OM2		OM3		OM4		OM5		OS1*		OS2*	
CORE SIZE (MM)	62.5		50		50		50		50		8-11		8-11	
WAVELENGTH (NM)	850	1300	850	1300	850	1300	850	1300	850-953	1300	1310	1550	1310	1550
MAX ATTENUATION (dB/KM)	3.5	1.5	3.5	1.5	3.0	1.5	3.0	1.5	3.0	1.5	1.0	1.0	0.4	0.4
MIN BANDWIDTH (MHZ-KM)	(OFL)	200	500	500	1500	500	3500	500	3500-1850	500	N/A	N/A	N/A	N/A
	(RML)	N/A	500	N/A	2000	500	4700	500	4700-2470	500	N/A	N/A	N/A	N/A

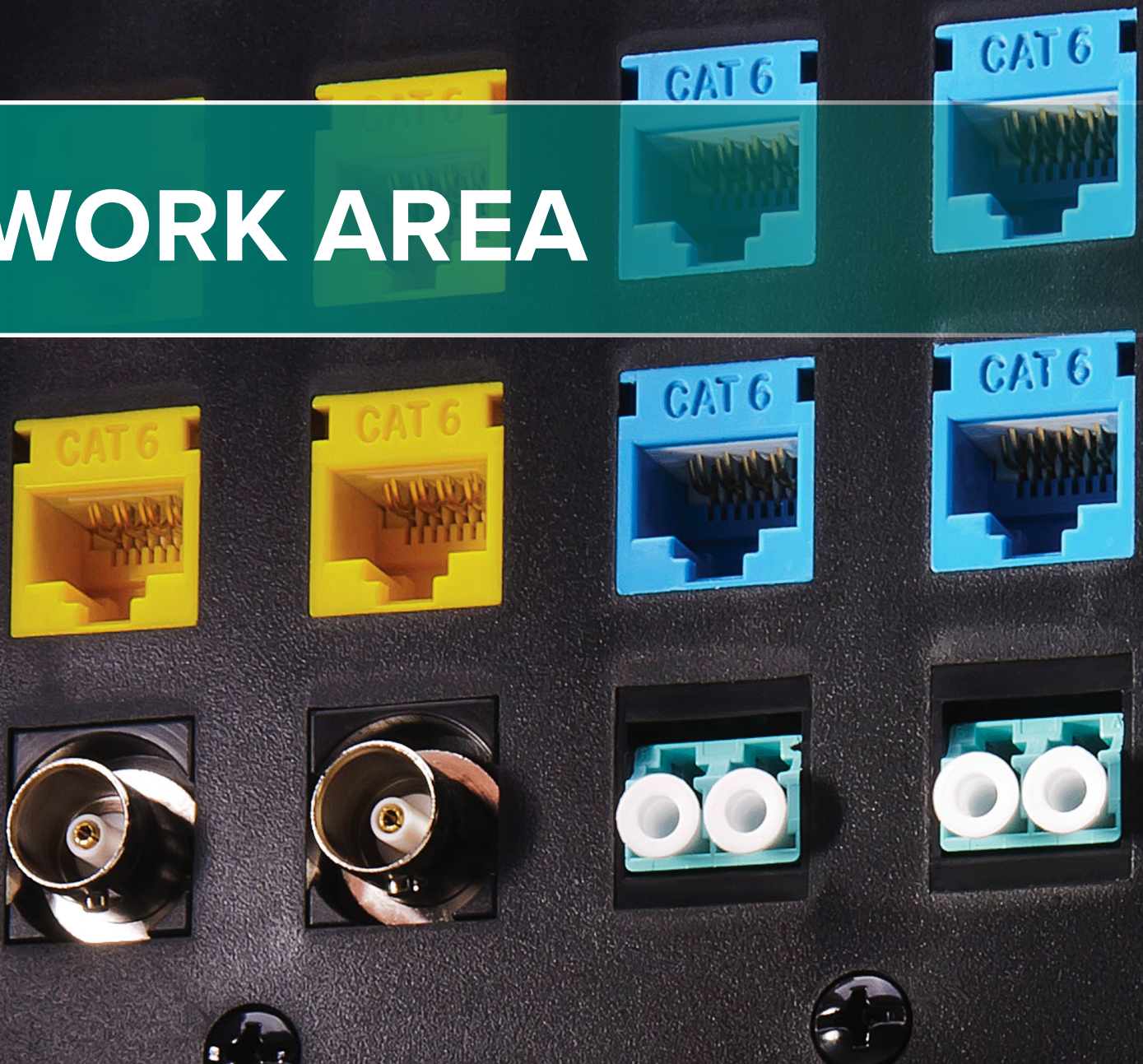
* The OS1 characteristics meet the requirements of ITU-T G.652A or ITU-T G.652B (equivalent to IEC 60793-2-50 Type B1.1) standards. The low-water-peak fibers defined by ITU-T as G.652C and G.652D also should be considered OS1 class fibers. Generally speaking, OS1 can be used as a broad term specifying singlemode optical fibers compliant with specifications of ITU-T G.652.

OS2 is a subset class term that can be explicitly applied to the low-water-peak fibers. Based on that definition, singlemode fibers defined by ITU-T as G.652C and G.652D belong to the OS2 class. The uniqueness of low-water-peak fibers (i.e., G.652C and G.652D) is in that they are capable to support CWDM (Coarse Wavelength Division Multiplexing) applications.

OS2 fibers cannot connect directly to OS1 fibers since such connection may cause unstable signal transmission at water peak region. The low attenuation values of OS2 fibers can be fully reached when the cable construction is based on a loose tube principle.



WORK AREA



SOLUTIONS FOR THE SMALL HOME OFFICE TO THE COMMERCIAL MULTI-STORY BUILDING
DON'T UNDERESTIMATE THE IMPORTANCE OF THE LITTLE DETAILS.

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SECTION C CONTENTS

CAT 6A FTP KEYSTONE JACK

- C1 Category 6A Keystone Jacks**
Screened: MT-Series / Toolless / Unscreened: MT-Series
MT-Series Keystone Jack Termination Tool

CAT 6 KEYSTONE JACKS

- C5 Category 6 Keystone Jacks**
Unscreened: MT / EC-Series / Screened: MT-Series / Toolless

CAT 5E KEYSTONE JACKS

- C7 Category 5e Keystone Jacks**
Unscreened: MT / EC-Series / Screened: MT-Series / Toolless

VOICE-GRADE KEYSTONE JACKS

- C9 Voice-Grade Keystone Jacks**
Unscreened: MT / EC-Series
EC-Series Keystone Jack Termination Tool

APPLICATION SPECIFIC CONNECTORS

- C11 Feed-Thru Keystone Couplers**

- C12 Industrial Grade Connectors**

- C13 Termination Tools & Accessories**
Keystone Jack Rapid Termination Tool / Fixture / Dust Covers / Icon Tab
Single Position / Multi-Pair Termination Tool

- C15 Multimedia Keystone Modules**
Connector Modules : Blank / F-Type / BNC / Fiber / HDMI / USB / RCA-110 / RCA
Feed-Thru / SVHS-110 / 3-Way Binding Post / 3.5 mm Audio Feed-Thru

- C19 Keystone Faceplates**
Single-Gang / Double-Gang / Angled / Oversized / Stainless Steel

- C22 Application Specific Keystone Faceplates & Adapters**
106-Type / Decora / Modular Furniture / Telephone & Video Wallplates

- C24 Surface-Mount Boxes**

- C25 Industrial Grade Mounting Hardware**
DIN-Rail Mounting Modules
Optical Fiber Distribution Box
Faceplates / Surface-Mount Boxes

- C27 Multimedia Modular Outlet System**
Connector Modules : Category 6, 5e / Voice Grade / HDMI / USB / F-Type / BNC
3-Way Binding Post / RCA / VGA HD-15 / USB / ST Fiber / SC Fiber / LC Fiber
Multimedia Surface Mount Boxes
Single & Double-Gang Faceplates
Surface-Mount Boxes
Printable Faceplate & Port Designation Labels

TOOLS & ACCESSORIES

KEYSTONE MODULES

FACEPLATES & WALLPLATES

SURFACE MOUNT BOXES

INDUSTRIAL HARDWARE

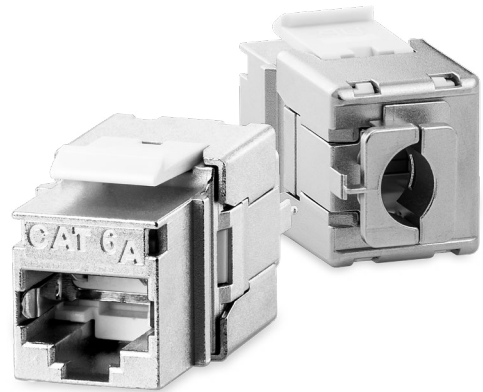
MULTIMEDIA MODULAR

Category 6A Screened Keystone Jacks

Category 6A MT-Series Screened Keystone Jacks

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Meets IEEE 802.3an 10 Gigabit Ethernet transmission requirements
- Compatible with Signamax screened snap-in patch panels and work area faceplates
- Overall solid-metal shielding design for 360-degree screen coverage
- Easy-to-read T568A/B wiring scheme color-coded label
- Circuit identification icons and dust covers are included in the jack's package



ORDERING INFORMATION

PART NO.	DESCRIPTION
KJS458MT-C6AC	Category 6A MT-Series Screened Keystone Jack, T568A/B Wiring

Standard circuit identification icons/dust covers are Light Ivory. Additional color options sold separately; refer to page C14.

DESIGNED EFFICIENCY - COLOR-CODING

WIDELY USED MEANS

Color-coding is a very widely used means for identification purposes of telecommunications connectors.

Screened modules made mainly of metals do not have readily available means for color-coding like their plastic counterparts that can be colored by adding different dyes to the plastics. In such cases, special color-coded plastic inserts can be used to color-code the connectors.

There are two alternative options for color-coding:

1. Standard-based color scheme assigning certain fixed colors to connecting hardware terminating cables of certain structured cabling subsystems (ANSI/TIA-606 standard)
2. User-defined color schemes based on safety, security, administrative, subsystem, and many other principles.

All options are well covered by the variety of colors available for labeling accessories.



SPECIFICATIONS

ELECTRICAL

Insulation Resistance: min 500 MOhm @ 100 Vdc

Dielectric Withstanding Voltage:

1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min

1,500 Vdc/ac peak contact-to-panel @ 60 Hz for 1 min (screened only)

Spring Wire Contact Resistance: Max 20 mOhm

IDC Contact Resistance: Max 2.5 mOhm

DIMENSIONS

KJS458MT-C6AC:

1.46" D x 0.67" W x 0.76" H (37.1 mm x 16.9 mm x 19.3 mm)

KJS458TL-C6AC:

1.67" D x 0.58" W x 1.02" H (42.4 mm x 14.6 mm x 25.8 mm)

CONSTRUCTION

Housing:

KJS458MT-C6AC & KRJ45/6AS-SH: Zinc-alloy

KJS458TL-C6AC: Zinc-alloy; Grounding post for 2.5 x 0.5 mm (0.110 x 0.020 in) female disconnect

Jack Spring Wire: phosphor bronze alloy plated with 50 µin of gold over 70 to 100 µin of nickel

IDC: 110 type, phosphor bronze alloy with 100 µin 100% tin alloy

MECHANICAL

Total Contact Force: Min 800 g for 8 wire leads

Retention: 50 N (11 lbf) for 60 ± 5 s

Mating Cycle Life: min 750 cycles

Category 6A Screened Keystone Jacks

Category 6A Toolless Screened Keystone Jacks

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Meets IEEE 802.3an 10 Gigabit Ethernet transmission requirements
- Compatible with Signamax screened snap-in patch panels and work area faceplates
- Overall solid-metal shielding design for 360-degree screen coverage
- Integrated toolless termination cap eliminates the need of any special tools
- Easy-to-read T568A/B wiring scheme color-coded label



ORDERING INFORMATION

PART NO.	DESCRIPTION
KJS458TL-C6AC	Category 6A Screened Toolless Keystone Jack, T568A/B Wiring

TECH TIP FOCUS: TOOLLESS RIGHT FOR YOU



TOOLLESS DOESN'T ACTUALLY MEAN TOOLLESS

The term “toolless jack” is not completely correct, it means the jack does not require a termination (punch-down) tool to complete its termination but still needs cable preparation tools as any other twisted-pair jacks. As with any technology the jack’s “toollessness” is reached at the cost of losing or diminishing some other features:

FEATURES	TERMINATION TYPE		
	TOOLLESS	MULTIPAIR	SINGLE-POSTION
Prep Tools	Needs	Needs	Needs
Extra Tools	Yes (pliers)	No	Yes (holding fixture)
Accuracy	Low	Medium	High
Re-Termination	Low	High	High
Best Range of Use	Field-configurable patch panels, work area outlets, areas with hindered access	Work area outlets, areas with hindered access	Field-configurable patch panels, work area outlets
Not Recommended	No Unrecommended areas	Field-configurable patch panels with rear-access termination contacts	Areas with hindered access

There is no such thing as the jack that solves all, each jack type/termination method gives advantages in certain installations. Even the time to complete termination is similar due to 95 % of overall jack termination time is cable preparation and conductor dressing.

To determine “the right jack for your job” should be based on considering all three options for the particular job using the information in the table above.

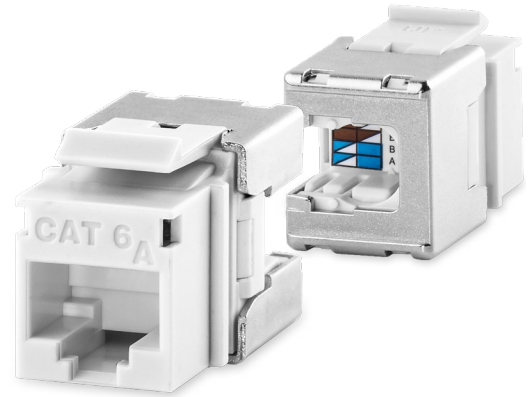


Category 6A Unscreened Keystone Jacks

Category 6A MT-Series Unscreened Keystone Jacks

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Meets IEEE 802.3an 10 Gigabit Ethernet transmission requirements
- Eliminates alien crosstalk with solid-metal cable-retention cap
- Easy-to-read T568A/B wiring scheme color-coded label
- Circuit identification icons and dust covers are included in the jack's package



ORDERING INFORMATION

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

For other colors add the following to P/N: WH DI YE OR RD BU GN GY BK

UNIQUE CONTACTS - UNIQUE PERFORMANCE

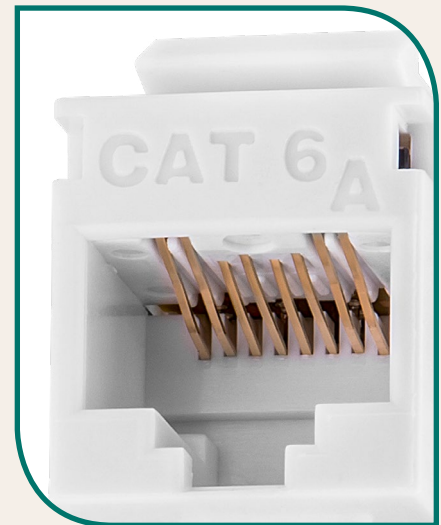
THE ULTIMATE GOAL

The ultimate goal of a piece of ICT connecting hardware is to help deliver information from one point to another without losing a single bit of it. The key factor in such transmission lines is maintaining their electrical uniformity from transmitter to receiver.

How can we maintain the transmission line uniformity in a connector to ensure its transmission performance from the point of cable conductors' termination to the point of contact between plug and socket?

This is made possible by a spatial system of electrical conductors having different shapes and sizes, which includes the socket contacts. Electromagnetic interactions between the conductors create a waveguide with required properties. That's why we can see various configurations of the socket's eight contacts with different conductor lengths and different positioning of contacts relative to each other.

None of the configurations can be considered better than the others, each is unique to a particular connector design and electrically balanced with cables and plugs.



For wiring scheme assistance or configuring your panel, please contact us toll free at: 1.800.446.2377

SPECIFICATIONS

ELECTRICAL

Insulation Resistance: min 500 MOhm @ 100 Vdc
Dielectric Withstanding Voltage:
 1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min
Spring Wire Contact Resistance: Max 20 mOhm
IDC Contact Resistance: Max 2.5 mOhm

CONSTRUCTION

Housing: High impact thermoplastic, UL94V-0 fire retardant
Jack Spring Wire: phosphor bronze alloy plated with 50 µin of gold over 70 to 100 µin of nickel
IDC: 110 type, phosphor bronze alloy with 100 µin 100% tin alloy

Keystone Jack Termination Tool

SECURE TERMINATION AS EASY AS 1,2,3

QUICK AND EASY SINGLE ACTION TERMINATION

Step 1:

- A. Strip Cable to approximately 0.5" back
- B. Wire jack to preferred wiring scheme

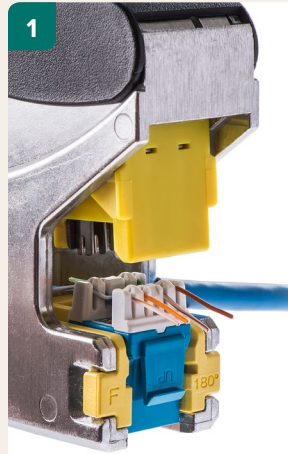
Step 2:

- A. Insert jack into Termination Tool
- B. Press firmly down to terminate and cut excess wire

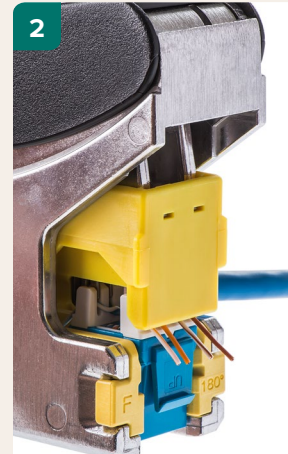
Step 3:

- A. Slide terminated jack out of the Termination Tool
- B. Install supplied IDC cap onto jack

**READY TO SNAP INTO
THE FACEPLATE OR PANEL**



Insert Prepared Jack



Punch & Cut



Finished



For wiring scheme assistance or configuring your panel, please contact us toll free at: 1.800.446.2377

MT-Series Keystone Jack Termination Tool

KEY FEATURES

- Simultaneous termination of all conductors while trimming excess
- Calibrated die drive offers consistent termination & precision
- Ergonomic lightweight design with a replaceable termination die
- Compatible with all Signamax MT-Series jacks

ORDERING INFORMATION

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



SPECIFICATIONS

MECHANICAL

Total Contact Force: Min 800 g for 8 wire leads
Retention: 50 N (11 lbf) for 60 ± 5 s
Mating Cycle Life: min 750 cycles

DIMENSIONS

1.21" D x 0.67" W x 0.76" H (30.8 mm x 16.9 mm x 19.3 mm)

Category 6 Unscreened Keystone Jacks

Category 6 MT-Series Unscreened Keystone Jacks

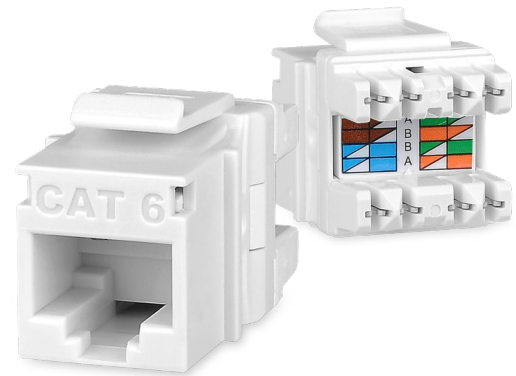
KEY FEATURES

- Exceeds TIA-568-C.2 component performance
- Improved wire retention and ease of termination with rear 110 type contacts
- Compatible with Signamax snap-in patch panels and work area faceplates
- Circuit identification icons, dust covers, and 110 protection caps are included in the jack's package

ORDERING INFORMATION

PART NO.	DESCRIPTION
KJ458MT-C6C	Category 6 MT-Series Keystone Jack, T568A/B Wiring, Light Ivory
KJ458MT25-C6C	Category 6 MT-Series Keystone Jack, T568A/B Wiring, Light Ivory 25 pack

For other colors add the following to P/N: WH DI YE OR RD BU GN GY BK



Category 6 EC-Series Unscreened Keystone Jacks

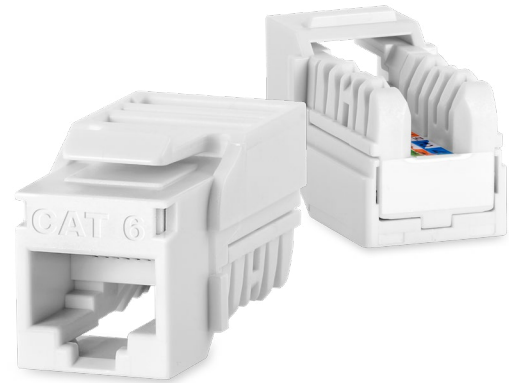
KEY FEATURES

- Exceeds TIA-568-C.2 component performance
- Improved conductor retention with 90-degree 110 termination
- Eco-friendly bulk packaging with a resealable bag
- Compatible with Signamax snap-in patch panels and work area faceplates
- Circuit identification icons and dust covers are included in the jack's package

ORDERING INFORMATION

PART NO.	DESCRIPTION
KJ458EC25-C6	Category 6 EC-Series Keystone Jack, T568A/B Wiring, Light Ivory, 25-Pack

For other colors add the following to P/N: WH DI YE OR RD BU GN GY BK



SPECIFICATIONS

ELECTRICAL

- Insulation Resistance:** Min 500 MΩ @ 100 Vdc
- Dielectric Withstanding Voltage:** 1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min
- Spring Wire Contact Resistance:** Max 20 mΩ
- IDC Contact Resistance:** Max 2.5 mΩ

DIMENSIONS

- KJ458EC-C6C:** 1.29" D x 0.67" W x 0.76" H (32.7 mm x 16.9 mm x 19.3 mm)
- KJ458MT-C6C:** 1.18" D x 0.67" W x 0.76" H (30.0 mm x 16.9 mm x 19.3 mm)

CONSTRUCTION

- Housing:** High impact thermoplastic, UL94V-0 fire retardant
- Jack Spring Wire:** Phosphor bronze alloy plated with 50 μm of gold over 70 to 100 μm of nickel
- IDC:** 110 type, phosphor bronze alloy with 100 μm 100% tin alloy

MECHANICAL

- Total Contact Force:** Min 800 g for 8 wire leads
- Retention:** 50 N (11 lbf) for 60 ± 5 s
- Mating Cycle Life:** Min 750 cycles

Category 6 Screened Keystone Jacks

Category 6 MT-Series Screened Keystone Jacks

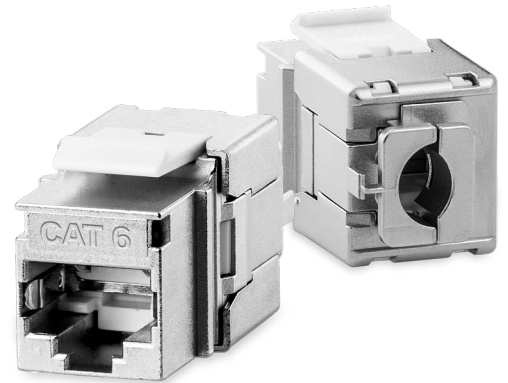
KEY FEATURES

- Exceeds TIA-568-C.2 component performance
- Overall solid-metal shielding design for 360-degree screen coverage
- Compatible with Signamax screened snap-in patch panels and work area faceplates
- Circuit identification icons and dust covers are included in the jack's package

ORDERING INFORMATION

PART NO.	DESCRIPTION
KJS458MT-C6C	Category 6 MT-Series Screened Keystone Jack, T568A/B Wiring

Standard circuit identification icons/dust covers are Light Ivory. Additional color options sold separately.



Category 6 Screened Toolless Keystone Jacks

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Overall solid-metal shielding design for 360-degree screen coverage
- Integrated toolless termination cap eliminates the need of any special tools
- Compatible with Signamax screened snap-in patch panels and work area faceplates

ORDERING INFORMATION

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



SPECIFICATIONS

ELECTRICAL

Insulation Resistance: Min 500 MOhm @ 100 Vdc

Dielectric Withstanding Voltage:

1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min

1,500 Vdc/ac peak contact-to-panel @ 60 Hz for 1 min

Spring Wire Contact Resistance: Max 20 mOhm

IDC Contact Resistance: Max 2.5 mOhm

DIMENSIONS

1.67" D x 0.58" W x 1.02" H (42.4 mm x 14.6 mm x 25.8 mm)

CONSTRUCTION

Housing: Zinc-alloy

Jack Spring Wire: Phosphor bronze alloy plated with 50 µm of gold over 70 to 100 µm of nickel

IDC: 110 type, phosphor bronze alloy with 100 µm 100% tin alloy

MECHANICAL

Total Contact Force: Min 800 g for 8 wire leads

Retention: 50 N (11 lbf) for 60 ± 5 s

Mating Cycle Life: Min 750 cycles

Category 5e Unscreened Keystone Jacks

Category 5e MT-Series Unscreened Keystone Jacks

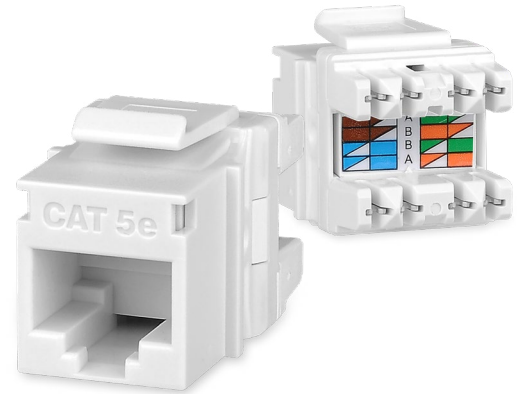
KEY FEATURES

- Exceeds TIA-568-C.2 component performance
- Improved wire retention and ease of termination with rear 110 type contacts
- Compatible with Signamax snap-in patch panels and work area faceplates
- Circuit identification icons, dust covers, and 110 protection caps are included in the jack's package

ORDERING INFORMATION

PART NO.	DESCRIPTION
KJ458MT-C5E	Category 5e MT-Series Keystone Jack, T568A/B Wiring, Light Ivory
KJ458MT25-C5E	Category 5e MT-Series Keystone Jack, T568A/B Wiring, Light Ivory, 25-Pack

For other colors add the following to P/N: WH DI YE OR RD BU GN GY BK



Category 5e EC-Series Unscreened Keystone Jacks

KEY FEATURES

- Exceeds TIA-568-C.2 component performance
- Improved conductor retention with 90-degree 110 termination
- Eco-friendly bulk packaging with a resealable bag
- Compatible with Signamax snap-in patch panels and work area faceplates
- Circuit identification icons and dust covers are included in the jack's package

ORDERING INFORMATION

PART NO.	DESCRIPTION
KJ458EC25-C5E	Category 5e EC-Series Keystone Jack, T568A/B Wiring, Light Ivory, 25-Pack

For other colors add the following to P/N: WH DI YE OR RD BU GN GY BK



SPECIFICATIONS

ELECTRICAL

- Insulation Resistance:** Min 500 MΩ @ 100 Vdc
- Dielectric Withstanding Voltage:** 1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min
- Spring Wire Contact Resistance:** Max 20 mΩ
- IDC Contact Resistance:** Max 2.5 mΩ

DIMENSIONS

- KJ458EC-C5E:** 1.29" D x 0.67" W x 0.76" H (32.7 mm x 16.9 mm x 19.3 mm)
- KJ458MT-C5E:** 1.18" D x 0.67" W x 0.76" H (30.0 mm x 16.9 mm x 19.3 mm)

CONSTRUCTION

- Housing:** High impact thermoplastic, UL94V-0 fire retardant
- Jack Spring Wire:** Phosphor bronze alloy plated with 50 μm of gold over 70 to 100 μm of nickel
- IDC:** 110 type, phosphor bronze alloy with 100 μm 100% tin alloy

MECHANICAL

- Total Contact Force:** Min 800 g for 8 wire leads
- Retention:** 50 N (11 lbf) for 60 ± 5 s
- Mating Cycle Life:** Min 750 cycles

Category 5e Screened Keystone Jacks

Category 5e MT-Series Screened Keystone Jacks

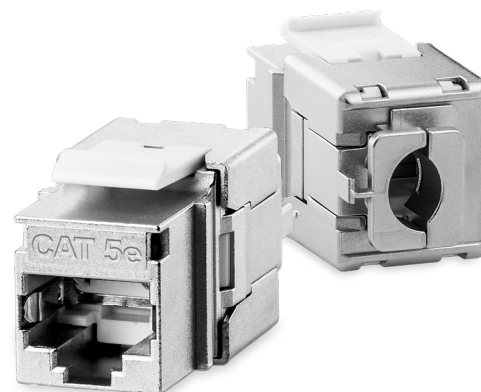
KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Overall solid-metal shielding design for 360-degree screen coverage
- Compatible with Signamax screened snap-in patch panels and work area faceplates
- Circuit identification icons and dust covers are included in the jack's package

ORDERING INFORMATION

PART NO.	DESCRIPTION
KJS458MT-C5E	Category 5e MT-Series Screened Keystone Jack, T568A/B Wiring

Standard circuit identification icons/dust covers are Light Ivory. Additional color options sold separately.



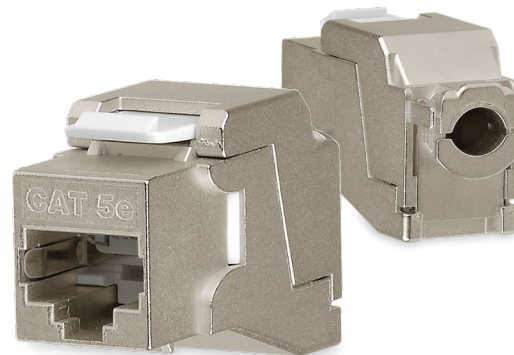
Category 5e Screened Toolless Keystone Jacks

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Overall solid-metal shielding design for 360-degree screen coverage
- Integrated toolless termination cap eliminates the need of any special tools
- Compatible with Signamax screened snap-in patch panels and work area faceplates

ORDERING INFORMATION

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



SPECIFICATIONS

ELECTRICAL

Insulation Resistance: Min 500 MOhm @ 100 Vdc

Dielectric Withstanding Voltage:

1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min

1,500 Vdc/ac peak contact-to-panel @ 60 Hz for 1 min

Spring Wire Contact Resistance: Max 20 mOhm

IDC Contact Resistance: Max 2.5 mOhm

DIMENSIONS

1.67" D x 0.58" W x 1.02" H (42.4 mm x 14.6 mm x 25.8 mm)

CONSTRUCTION

Housing: Zinc-alloy (fully shielded)

Grounding post for 0.110" x 0.020" female disconnect.

Jack Spring Wire: Phosphor bronze alloy plated with 50 µin of gold over 70 to 100 µin of nickel

IDC: 110 type, phosphor bronze alloy with 100 µin 100% tin alloy

MECHANICAL

Total Contact Force: Min 800 g for 8 wire leads

Retention: 50 N (11 lbf) for 60±5 s

Mating Cycle Life: Min 750 cycles

Voice-Grade Unscreened Keystone Jacks

Voice-Grade MT-Series Unscreened Keystone Jacks

KEY FEATURES

- Exceeds TIA-568-C.2 category 3 specifications for individual pairs
- Easy-to-read 3-pair USOC wiring scheme color-coded label
- Compatible with Signamax snap-in patch panels and work area faceplates
- Circuit identification icons, dust covers, and 110 protection caps are included in the jack's package



ORDERING INFORMATION

PART NO.	DESCRIPTION
KJ126MT-C3U	Voice-Grade 6P6C MT-Series Keystone Jack, USOC Wiring, Light Ivory
KJ126MT25-C3U	Voice-Grade 6P6C MT-Series Keystone Jack, USOC Wiring, Light Ivory, 25-Pack

For other colors add the following to P/N: WH DI YE OR RD BU GN GY BK

Voice Grade EC-Series Unscreened Keystone Jacks

KEY FEATURES

- Exceeds TIA-568-C.2 category 3 specifications for individual pairs
 - Improved conductor retention with 90-degree 110 termination
 - Eco-friendly bulk packaging with a resealable bag
 - Compatible with Signamax snap-in patch panels and work area faceplates
- Circuit identification icons and dust covers are included in the jack's package



ORDERING INFORMATION

PART NO.	DESCRIPTION
KJ126EC25-C3U	Voice-Grade 6P6C EC-Series Keystone Jack, USOC Wiring, Light Ivory, 25-Pack
KJ126EC25-C3U-WH	Voice-Grade 6P6C EC-Series Keystone Jack, USOC Wiring, White, 25-Pack

SPECIFICATIONS

ELECTRICAL

- Insulation Resistance:** Min 500 M Ω @ 100 Vdc
- Dielectric Withstanding Voltage:** 1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min
- Spring Wire Contact Resistance:** Max 20 m Ω m
- IDC Contact Resistance:** Max 2.5 m Ω m

CONSTRUCTION

- Housing:** High impact thermoplastic, UL94V-0 fire retardant
- Jack Spring Wire:** Phosphor bronze alloy plated with 50 μ m of gold over 70 to 100 μ m of nickel
- IDC:** 110 type, phosphor bronze alloy with 100 μ m 100% tin alloy

Keystone Jack Termination Tool

SECURE TERMINATION AS EASY AS 1,2,3

QUICK AND EASY SINGLE ACTION TERMINATION

Step 1:

- A. Strip Cable to approximately 0.5" back
- B. Wire jack to preferred wiring scheme

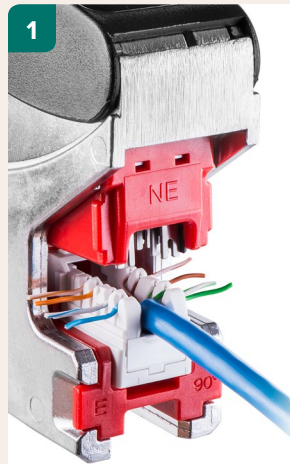
Step 2:

- A. Insert jack into Termination Tool
- B. Press firmly down to terminate and cut excess wire

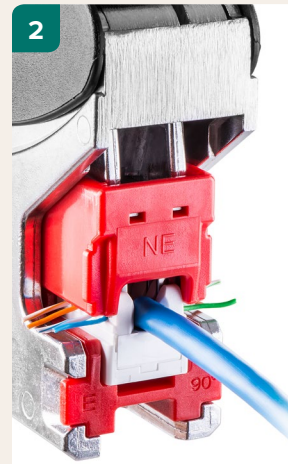
Step 3:

- A. Slide terminated jack out of the Termination Tool
- B. Install supplied IDC cap onto jack

READY TO SNAP INTO
THE FACEPLATE OR PANEL



Insert Prepared Jack



Punch & Cut



Finished



For wiring scheme assistance or configuring your panel, please contact us toll free at: 1.800.446.2377

EC-Series Keystone Jack Termination Tool

KEY FEATURES

- Simultaneous termination of all conductors while trimming excess
- Calibrated die drive offers consistent termination & precision
- Ergonomic lightweight design with a replaceable termination die
- Compatible with all Signamax EC-Series jacks

ORDERING INFORMATION

PART NO.	DESCRIPTION
KJEC-8600	EC-Series Keystone Jack Termination Tool
KJEC-8600-DS	Replacement Termination Die for KJEC-8600 Tool



SPECIFICATIONS

MECHANICAL

Retention: 50 N (11 lbf) for 60 ± 5 s
Mating Cycle Life: Min 750 cycles

DIMENSIONS

KJ126MT-C3U: 1.18" D x 0.67" W x 0.76" H (30.0 mm x 16.9 mm x 19.3 mm)
KJ126EC25-C3U: 1.29" D x 0.67" W x 0.76" H (32.7 mm x 16.9 mm x 19.3 mm)

Feed-Thru Keystone Couplers

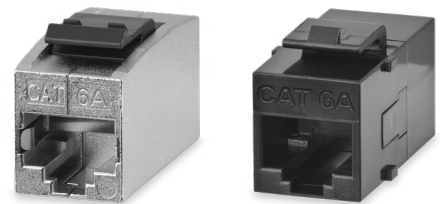
KEY FEATURES

- Supports ANSI/TIA-568-C.2 channel performance
- Screened version has an overall solid-metal shielding design for 360-degree shielded coverage
- Straight-through wiring compatible with any wiring scheme up to 8 conductors
- Available in screened or unscreened versions
- Compatible with Signamax snap-in patch panels

Category 6A Feed-Thru Keystone Couplers

ORDERING INFORMATION

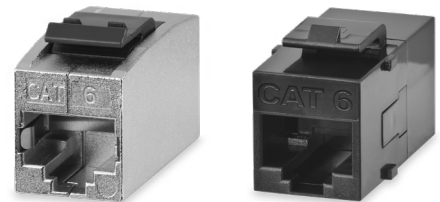
PART NO.	DESCRIPTION
KRJ45/6AS-SH	Category 6A Screened Feed-Thru Keystone Coupler
KRJ45/6AS	Category 6A Unscreened Feed-Thru Keystone Coupler



Category 6 Feed-Thru Keystone Couplers

ORDERING INFORMATION

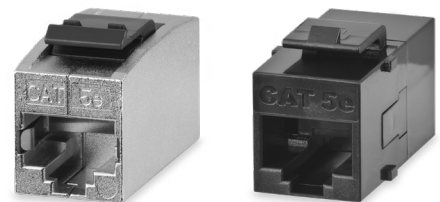
PART NO.	DESCRIPTION
KRJ45/6S-SH	Category 6 Screened Feed-Thru Keystone Coupler
KRJ45/6S	Category 6 Unscreened Feed-Thru Keystone Coupler



Category 5e Feed-Thru Keystone Couplers

ORDERING INFORMATION

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



SPECIFICATIONS

ELECTRICAL

- Insulation Resistance:** Min 500 MΩ @ 100 Vdc
- Dielectric Withstanding Voltage:** 1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min
- Spring Wire Contact Resistance:** Max 20 mΩ
- DC Contact Resistance:** Max 0.1 mΩ

DIMENSIONS

1.16" D x 0.58" W x 0.64" H (29.4 mm x 14.6 mm x 16.2 mm)

CONSTRUCTION

- Housing:** Screened: Copper-Zinc-alloy, 100 μm nickel plated
Unscreened: High impact thermoplastic, UL94V-0 fire retardant
- Jack Spring Wire:** Phosphor bronze alloy plated with 50 μm of gold over 70 to 100 μm of nickel

MECHANICAL

- Total Contact Force:** Min 100 g each contact
- Retention:** Min 50 N (11 lbf) for 60 ± 5 s
- Mating Cycle Life:** Min 750 cycles

Industrial Grade Connectors

KEY FEATURES

- Meets ANSI/TIA-568-C.2 component performance
- IP67-rated jack housing design for industrial use
- Screened versions offer overall shielding design for 360-degree screen coverage
- Easy-to-read T568A/B wiring scheme color-coded label
- Compatible with Signamax industrial faceplates & boxes



Category 6A Industrial Grade Connectors

ORDERING INFORMATION

PART NO.	DESCRIPTION
KJS458IG-C6AC	Category 6A Screened Industrial Grade Keystone Jack with protective cap

Category 6 Industrial Grade Connectors

ORDERING INFORMATION

PART NO.	DESCRIPTION
KJS458IG-C6C	Category 6 Screened Industrial Grade Keystone Jack with protective cap
KJ458IG-C6C	Category 6 Unscreened Industrial Grade Keystone Jack with protective cap

Category 5e Industrial Grade Connectors

ORDERING INFORMATION

PART NO.	DESCRIPTION
KJS458IG-C5E	Category 5e Screened Industrial Grade Keystone Jack with protective cap
KJ458IG-C5E	Category 5e Unscreened Industrial Grade Keystone Jack with protective cap



For all Industrial Plates Please see page C26

SPECIFICATIONS

ELECTRICAL

- Insulation Resistance:** min 500 MOhm @ 100 Vdc
- Dielectric Withstanding Voltage:**
 - 1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min
 - 1,500 Vdc/ac peak contact-to-panel @ 60 Hz for 1 min
- Spring Wire Contact Resistance:** max 20 mOhm
- IDC Contact Resistance:** max 2.5 mOhm

DIMENSIONS

- Assembly:** 1.82" D x 1.44" W x 1.53" H (46.2 mm x 36.6 mm x 38.9 mm)
- Jack:** 1.67" D x 0.58" W x 1.02" H (42.4 mm x 14.6 mm x 25.8 mm)

CONSTRUCTION

- External Housing:** High impact thermoplastic
- Internal Housing:** Zinc-alloy
- Jack Spring Wire:** phosphor bronze alloy plated with 50 µin of gold over 70 to 100 µin of nickel
- IDC:** 110 type, phosphor bronze alloy with 100 µin 100% tin alloy

MECHANICAL

- Total Contact Force:** min 800 g for 8 wire leads
- Retention:** 50 N (11 lbf) for 60 ± 5 s
- Mating Cycle Life:** min 750 cycles

Termination Tools & Accessories

Keystone Jack Rapid Termination Tool

KEY FEATURES

- Simultaneous termination of all conductors while trimming excess
- Calibrated die drive offers consistent termination & precision
- Ergonomic lightweight design with a replaceable termination die
- Compatible with all Signamax MT & EC-Series jacks



ORDERING INFORMATION

PART NO.	DESCRIPTION
KJMT-8600	MT-Series Keystone Jacks Rapid Termination Tool
KJMT-8600-DS	Replacement Termination Die for KJMT-8600 Tool
KJEC-8600	EC-Series Keystone Jacks Rapid Termination Tool
KJEC-8600-DS	Replacement Termination Die For KJEC-8600 Tool

Keystone Jack Termination Fixture

KEY FEATURES

- Provides stability for wire positioning & termination
- Supports cable during termination
- Compatible with all Signamax MT & EC-Series Keystone Jacks



ORDERING INFORMATION

PART NO.	DESCRIPTION
KJ-FT	Keystone Jack Termination Fixture

IN THE PALM OF YOUR HAND TERMINATION

THE UNIVERSAL TERMINATION FIXTURE

Use the Signamax Keystone Jack Termination Fixture for a more sure handed grip on keystone jacks. This tool allows you to quickly and easily punch down on the connectors with either a single position or multi-pair termination tool.

Designed to increase stability for the MT-Series & EC-Series Jacks during single position termination. Simply snap-in the jack in matching slot and proceed with punching down the pairs per the designated wiring scheme.



For wiring scheme assistance or configuring your panel, please contact us toll free at: 1.800.446.2377 or email: techsupport@signamax.com

Termination Tools & Accessories

MT-Series Keystone Jack Dust Covers & Icon Tabs

KEY FEATURES

- Protection for unpopulated ports
- Service identification made simple with imprinted icon tabs
- Available in eight colors for additional custom identification
- Compatible with all Signamax MT & EC-Series keystone jacks

ORDERING INFORMATION

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

For other colors replace **IV** in the P/N for the following:



Single Position Termination Tool

KEY FEATURES

- Single termination of one conductor at a time while trimming excess
- Spring loaded & tension adjustable
- Replaceable termination blades
- Compatible with all Signamax connecting hardware equipped with 110- and 66-style IDCs

ORDERING INFORMATION

PART NO.	DESCRIPTION
T110	110-style 1-Position Impact Termination Tool
T110BL	110-style 1-Position Termination Blade
T66	66-style 1-Position Impact Termination Tool
T66BL	66-style 1-Position Termination Blade



Multi-Pair Termination Tool

KEY FEATURES

- No-slip grip & ergonomically designed handle
- Impact tool design to terminate multiple conductors
- Replaceable termination heads & blades
- Compatible with all Signamax connecting hardware based on 110-style connecting blocks

ORDERING INFORMATION

PART NO.	DESCRIPTION
1106-4PRT	4-Pair Impact Tool for Category 6A/6 110 Wiring Blocks
1106-4PRH	Replacement Head and Blade for 1106-4PRT Tool
110-4PRT	4-Pair Impact Tool for Category 6/5e 110 Wiring Blocks
110-4PRH	Replacement Head and Blade for 110-4PRT Tool
110-5PRT	5-Pair Impact Tool for Category 5e 110 Wiring Blocks
110-5PRH	Replacement Head and Blade for 110-5PRT Tool



Multimedia Keystone Modules

Blank Modules

KEY FEATURES

- Protects unpopulated port openings
- Constructed in high-impact thermoplastic that is rated UL94V-0 fire-retardant
- Compatible with all Signamax keystone connecting hardware

ORDERING INFORMATION

PART NO.	DESCRIPTION
CMK-BL	Blank Keystone Module (package of ten), Light Ivory

For other colors add the following to P/N: WH DI GY BK



F-Type Connector Modules

KEY FEATURES

- Feed-thru bronze shell with 75 Ohm 1 or 3 GHz transmission performance
- Constructed in high-impact thermoplastic that is rated UL94V-0 fire-retardant
- Compatible with all Signamax keystone connecting hardware

ORDERING INFORMATION

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

For other colors add the following to P/N: WH DI GY BK



BNC Connector Modules

KEY FEATURES

- Feed-thru adapter with 50 or 75 Ohm transmission performance
- Constructed in high-impact thermoplastic that is rated UL94V-0 fire-retardant
- Compatible with all Signamax keystone connecting hardware

ORDERING INFORMATION

PART NO.	DESCRIPTION
CMK-BNC	50 Ohm BNC Keystone Connector Module, Light Ivory
CMK-BNC75	75 Ohm BNC Keystone Connector Module, Light Ivory
CMK-BNCHD	High-Density 50 Ohm BNC Keystone Connector Module, Light Ivory
CMK-BNC75HD	High-Density 75 Ohm BNC Keystone Connector Module, Light Ivory

For other colors add the following to P/N: WH DI GY BK



Multimedia Keystone Modules

Fiber Connector Modules

KEY FEATURES

- Exceeds ANSI/TIA-568-C.3 component performance
- Multi-purpose keystone design is compatible with all Signamax mounting hardware
- Constructed in phosphor bronze or zirconia ceramic sleeves

ORDERING INFORMATION

PART NO.	DESCRIPTION
ST CONNECTIONS	
CMK-ST	ST OM1/OM2 Keystone Connector Module, Light Ivory
CMK-ST5	ST SM Keystone Connector Module, Light Ivory
SC CONNECTIONS	
CMK-SC	SC OM1/OM2 Keystone Connector Module, Light Ivory
CMK-SCG	SC OM3/OM4 Keystone Connector Module, Light Ivory
CMK-SCS	SC SM Keystone Connector Module, Light Ivory
LC CONNECTIONS	
CMK-LC	LC OM1/OM2 Keystone Connector Module, Light Ivory
CMK-LCG	LC OM3/OM4 Keystone Connector Module, Light Ivory
CMK-LCS	LC SM Keystone Connector Module, Light Ivory

For other colors add the following to P/N: WH DI GY BK



HDMI Connector Modules

KEY FEATURES

- Designed to connect active equipment to HDMI cabling
- Type A feed-thru adapter in keystone footprint
- Compatible with all Signamax keystone connecting hardware

ORDERING INFORMATION

PART NO.	DESCRIPTION
CMK-HDMI	HDMI Feed-Thru Keystone Connector Module, Light Ivory

For other colors add the following to P/N: WH



USB Connector Modules

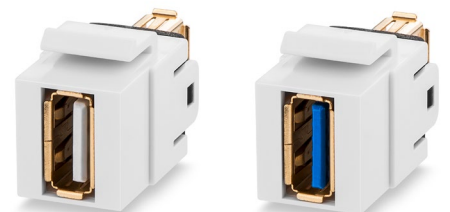
KEY FEATURES

- Adaptable for work area outlets or patch panel ports
- Type A feed-thru adapter in keystone footprint
- Compatible with all Signamax keystone connecting hardware

ORDERING INFORMATION

PART NO.	DESCRIPTION
CMK-USB	USB 2.0 A to A Feed-Thru Keystone Connector Module, Light Ivory
CMK-USB3-AA	USB 3.0 A to A Feed-Thru Keystone Connector Module, Light Ivory

For other colors add the following to P/N: WH



Multimedia Keystone Modules

RCA-110 Connector Modules

KEY FEATURES

- Multi-purpose keystone design
- Termination with rear 110 type contacts
- Available in five colors to indicate connection type



ORDERING INFORMATION

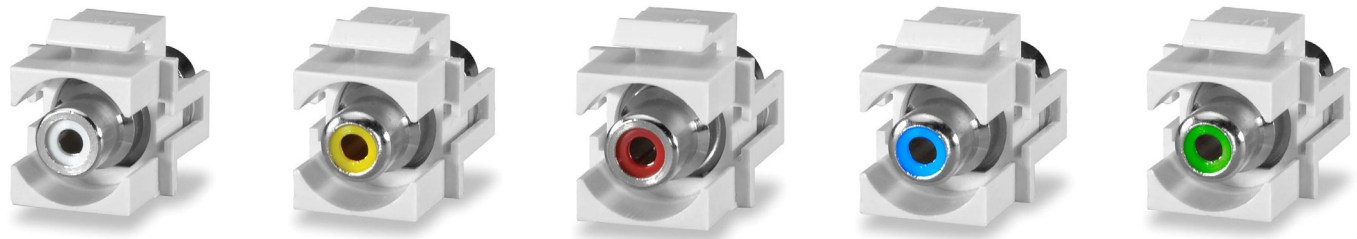
PART NO.	DESCRIPTION
CMK-110CAW	White RCA-to-110 Keystone Connector Module, Light Ivory
CMK-110RCAY	Yellow RCA-to-110 Keystone Connector Module, Light Ivory
CMK-110RCAR	Red RCA-to-110 Keystone Connector Module, Light Ivory
CMK-110RCAB	Blue RCA-to-110 Keystone Connector Module, Light Ivory
CMK-110RCAG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

For other colors add the following to P/N: WH DI GY BK

RCA Feed-Thru Connector Modules

KEY FEATURES

- Feed-thru adapter socket to socket
- Multi-purpose keystone design
- Available in five colors to indicate connection type



ORDERING INFORMATION

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

For other colors add the following to P/N: WH DI GY BK

Multimedia Keystone Modules

SVHS-110 Connector Modules

KEY FEATURES

- Enable connection to S-video systems using category 5e or 6 cabling
- Improved wire retention and ease of termination with rear 110 type contacts
- Multi-purpose keystone design

ORDERING INFORMATION

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

For other colors add the following to P/N: WH DI GY BK



3-Way Binding Post Connector Modules

KEY FEATURES

- Feed-thru adapter for banana plugs, speakers/spade tips, & bare wire
- Multi-purpose keystone design is compatible with all Signamax connecting hardware
- Available in five colors

ORDERING INFORMATION

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

For other colors add the following to P/N: WH DI GY BK



3.5 mm Audio Feed-Thru Connector Modules

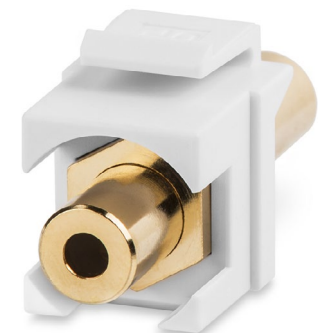
KEY FEATURES

- Feed-thru adapter socket to socket
- 3.5 mm (1/8 in) miniature audio connector with three-contact TRS design
- Multi-purpose keystone design is compatible with all Signamax connecting hardware

ORDERING INFORMATION

PART NO.	DESCRIPTION
CMK-PCTRS	3.5 mm Audio Feed-Thru Keystone Connector Module, Light Ivory

For other colors add the following to P/N: WH DI GY BK



Keystone Faceplates

KEY FEATURES

- Wide selection in Single or Double-Gang, Angled, Labeling Window & Oversized to fit any application
- Allows a combination of keystone jacks or multimedia modules
- Available with labeling windows on top & bottom with clear plastic covers
- Angled versions maintains bend radius of patch cords and prevents damage
- Oversized option offers a wider frame for a designer look or coverage for flaws around the outlet
- Constructed with high-impact thermoplastic that is rated UL94V-0 fire-retardant.



Single-Gang Faceplates

ORDERING INFORMATION

PART NO.	DESCRIPTION
SKF-1	1-Port Single-Gang Keystone Faceplate, Light Ivory
SKF-2	2-Port Single-Gang Keystone Faceplate, Light Ivory
SKF-3	3-Port Single-Gang Keystone Faceplate, Light Ivory

For other colors add the following to P/N: WH DI GY BK

PART NO.	DESCRIPTION
SKF-4	4-Port Single-Gang Keystone Faceplate, Light Ivory
SKF-6	6-Port Single-Gang Keystone Faceplate, Light Ivory
SKF-B	Blank Single-Gang Faceplate, Light Ivory

For other colors add the following to P/N: WH DI GY BK



Single-Gang Faceplates With Labeling Windows

ORDERING INFORMATION

PART NO.	DESCRIPTION
SKFL-1	1-Port Single-Gang Keystone Faceplate with Labeling Windows, Light Ivory
SKFL-2	2-Port Single-Gang Keystone Faceplate with Labeling Windows, Light Ivory
SKFL-3	3-Port Single-Gang Keystone Faceplate with Labeling Windows, Light Ivory

For other colors add the following to P/N: WH DI GY BK

PART NO.	DESCRIPTION
SKFL-4	4-Port Single-Gang Keystone Faceplate with Labeling Windows, Light Ivory
SKFL-6	6-Port Single-Gang Keystone Faceplate with Labeling Windows, Light Ivory
SKF-B	Blank Single-Gang Faceplate, Light Ivory

For other colors add the following to P/N: WH DI GY BK

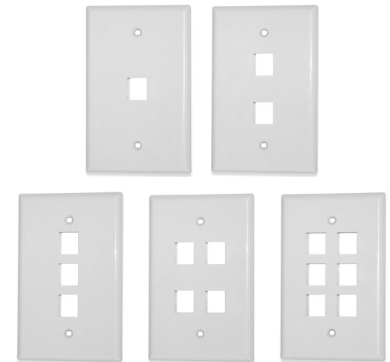
Keystone Faceplates

Single-Gang Oversized Faceplates

ORDERING INFORMATION

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

For other colors add the following to P/N: WH



Single-Gang Angled Faceplates

ORDERING INFORMATION

PART NO.	DESCRIPTION
SKFA-2	2-Port Single-Gang Angled Keystone Faceplate, Light Ivory
SKFA-4	4-Port Single-Gang Angled Keystone Faceplate, Light Ivory

For other colors add the following to P/N: WH DI GY BK



Single-Gang Angled Faceplates with Labeling Windows

ORDERING INFORMATION

PART NO.	DESCRIPTION
SKFLA-2	2-Port Single-Gang Angled Keystone Faceplate w/Labeling Windows, Light Ivory
SKFLA-4	4-Port Single-Gang Angled Keystone Faceplate w/Labeling Windows, Light Ivory

For other colors add the following to P/N: WH DI GY BK



Double Gang Faceplates

ORDERING INFORMATION

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

For other colors add the following to P/N: WH DI GY BK



Double Gang Faceplates with Labeling Windows

ORDERING INFORMATION

PART NO.	DESCRIPTION
DKFL-6	6-Port Double-Gang Keystone Faceplate w/Labeling Windows, Light Ivory
DKFL-12	12-Port Double-Gang Keystone Faceplate w/Labeling Windows, Light Ivory
DKFLA-8	8-Port Double-Gang Angled Keystone Faceplate w/Labeling Windows, Light Ivory

For other colors add the following to P/N: WH DI GY BK



SPECIFICATIONS

DIMENSIONS

Overall:
Single-Gang: 2.75" W x 4.50" H (69.9 mm x 114.3 mm)
Oversized: 3.13" W x 4.88" H (79.5 mm x 124.0 mm)
Double-Gang: 4.60" W x 4.50" H (116.8 mm x 114.3 mm)

MOUNTING DIMENSIONS

Panel Opening: 0.58" W x 0.76" H (14.7 mm x 19.3 mm)
Screw Distance: 3.28" (83.3 mm)

CONSTRUCTION

High impact thermoplastic, UL94V-0 fire retardant

Stainless Steel Keystone Faceplates

KEY FEATURES

- Constructed with SAE-304 brushed stainless steel
- Available with labeling windows on top & bottom with clear plastic covers
- Wide selection in Single or Double-Gang multiple application
- Allows a combination of keystone jacks or multimedia modules

Stainless Steel Single-Gang Faceplates

ORDERING INFORMATION

PART NO.	DESCRIPTION
SSKF-1	1-Port Stainless Steel Single-Gang Keystone Faceplate
SSKF-2	2-Port Stainless Steel Single-Gang Keystone Faceplate
SSKF-3	3-Port Stainless Steel Single-Gang Keystone Faceplate
SSKF-4	4-Port Stainless Steel Single-Gang Keystone Faceplate
SSKF-6	6-Port Stainless Steel Single-Gang Keystone Faceplate



Stainless Steel Single-Gang Faceplates with Labeling Windows

ORDERING INFORMATION

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



Stainless Steel Double-Gang Faceplates with Labeling Windows

ORDERING INFORMATION

PART NO.	DESCRIPTION
DSKF-8	8-Port Stainless Steel Double-Gang Keystone Faceplate
DSKF-12	12-Port Stainless Steel Double-Gang Keystone Faceplate
DSKFLA-8	8-Port Stainless Steel Double-Gang Angled Keystone Faceplate w/Labeling



SPECIFICATIONS

DIMENSIONS

Overall:

Single-Gang: 2.75" W x 4.50" H (69.9 mm x 114.3 mm)

Double-Gang: 4.60" W x 4.50" H (116.8 mm x 114.3 mm)

MOUNTING DIMENSIONS

Panel Opening: 0.58" W x 0.76" H (14.7 mm x 19.3 mm)

Screw Distance: 3.28" (83.3 mm)

CONSTRUCTION

Stainless steel with thermoplastic, UL94V-0 fire retardant mounting posts

Application Specific Faceplates & Adapters

106-Type Faceplates & Keystone Adapters

KEY FEATURES

- Compatible with NEMA 106-type faceplates and adapters
- Available in three color options

ORDERING INFORMATION

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

For other colors add the following to P/N: WH DI



Decora-Style Faceplates & Keystone Adapters

KEY FEATURES

- Compatible with Decora-style mounting hardware
- Available in four color options

ORDERING INFORMATION

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

For other colors add the following to P/N: WH DI GY



Modular Furniture Keystone Adapters

KEY FEATURES

- Compatible with standard modular furniture openings
- Available in four color options

ORDERING INFORMATION

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

For other colors add the following to P/N: WH GY BK



SPECIFICATIONS

DIMENSIONS

Overall:

106 & Decora: 3.13" W x 4.88" H (80.0 mm x 124.0 mm)

Mod. Furniture: 3.30" W x 1.80" H x 0.30" D (83.8 mm x 45.7 mm x 7.60 mm)

MOUNTING DIMENSIONS

106 & Decora: Opening: 0.58" W x 0.76" H (14.7 mm x 19.3 mm) / Screw

Distance: 3.28" (83.3 mm)

Mod. Furniture: Opening: 2.73" W x 1.37" H (69.3 mm x 34.8 mm)

CONSTRUCTION

High impact thermoplastic, UL94V-0 fire retardant

Telephone & Video Wallplates

KEY FEATURES

- Pre-wired modular jacks for 1 or 2 port versions
- Combinations of 6P4C & F-type adapters with three color plate options
- Constructed with high-impact thermoplastic that is rated UL94V-0 fire-retardant



ORDERING INFORMATION

PART NO.	DESCRIPTION
SCF-1P64S	1-Port RJ11 6P4C Telephone Faceplate, Light Ivory
SCF-2P64S	2-Port RJ11 6P4C Telephone Faceplate, Light Ivory
SCF-2P64SF	2-Port RJ11 6P4C and 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

For other colors add the following to P/N: WH DI

Wall-Mount Telephone Plates

KEY FEATURES

- Keystone foot print for a clean & simple install method for any wall-mountable phone
- Constructed with high-impact thermoplastic that is rated UL94V-0 fire-retardant
- Available in stainless steel, light ivory, & white options



ORDERING INFORMATION

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

SPECIFICATIONS

DIMENSIONS

Width: SCF-X: 1.58" (70.0 mm) / S/SKF-1P: 2.75" (79.9 mm)
Height: 4.50" (114.3 mm)
SCF-X Depth: F-type 0.95" (24.0 mm) / 6P4C 0.80" (20.0 mm)

MOUNTING DIMENSIONS

Keystone Mounting Opening: 0.58" W x 0.76" H (14.7 mm x 19.3 mm)
Screw Distance: 3.28" (83.3 mm)

CONSTRUCTION

Stainless steel with thermoplastic or High impact thermoplastic, UL94V-0 fire retardant

Surface-Mount Boxes

Surface-Mount Faceplate Boxes

KEY FEATURES

- Compatible with all Signamax faceplates in both single and double-gang versions
- Constructed with high-impact thermoplastic that is rated UL94V-0 fire-retardant

ORDERING INFORMATION

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

For other colors add the following to P/N: WH GY



Surface-Mount Boxes

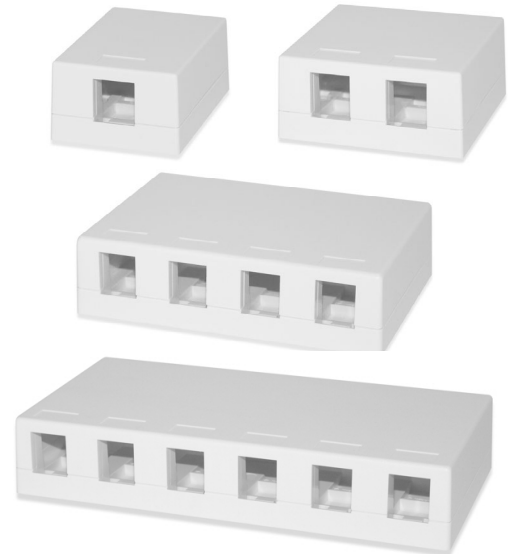
KEY FEATURES

- Mix & match up to 6 copper, fiber, or multimedia keystone footprint jacks
- Constructed with high-impact thermoplastic that is rated UL94V-0 fire retardant
- Available in 1 to 6 port versions & five colors

ORDERING INFORMATION

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

For other colors add the following to P/N: WH DI GY BK



Tamper Proof Surface-Mount Boxes

KEY FEATURES

- Protection of patch cord connection points
- Allows a combination of keystone jacks or multimedia modules
- Constructed with high-impact thermoplastic that is rated UL94V-0 fire retardant

ORDERING INFORMATION

PART NO.	DESCRIPTION
SMKT-3	3-Port Surface Mount Tamper-Proof Multimedia Box, Light Ivory
SMKT-3-WH	3-Port Surface Mount Tamper-Proof Multimedia Box, White
SMKT-3-GY	3-Port Surface Mount Tamper-Proof Multimedia Box, Gray



DIMENSIONS

SMB1-X: Single: 2.75" W x 4.50" H (69.9 mm x 114.3 mm)

Double: 4.60" W x 4.50" H (116.8 mm x 114.3 mm)

SMKL-1: 1.80" D x 2.52" W x 1.20" H (45.7 mm x 64.1 mm x 30.5 mm)

SMKL-2: 2.68" D x 2.52" W x 1.20" H (68.0 mm x 64.1 mm x 30.5 mm)

SMKL-4: 3.26" D x 4.64" W x 1.20" H (82.7 mm x 117.7 mm x 30.5 mm)

SMKL-6: 3.26" D x 6.64" W x 1.20" H (82.7 mm x 168.7 mm x 30.5 mm)

SMKT-3: 4.13" D x 3.39" W x 1.17" H (105 mm x 86.0 mm x 29.9 mm)

CONSTRUCTION

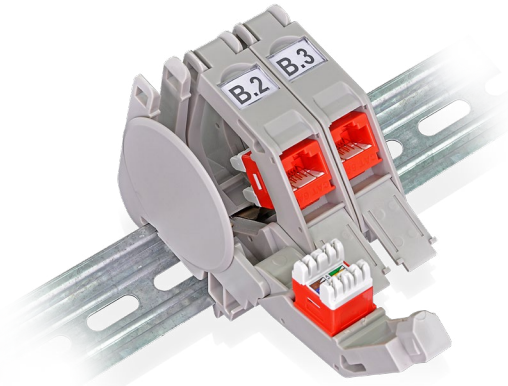
High impact thermoplastic, UL94V-0 fire retardant

Industrial Grade Mounting Hardware

DIN-Rail Mounting Modules

KEY FEATURES

- Engineered to save space in small factory enclosures or NEMA boxes
- Compatible with all Signamax high-density keystone connectors
- Grounding clip included to ground straight to the DIN-rail
- Stackable design with removable sides, allows simple installation for however many ports are needed



ORDERING INFORMATION

PART NO.	DESCRIPTION
KI-DIN-RMM-SL-X	Keystone Jack & DIN-Rail Mounting Module Kit with 2 Side Lids
KI-DIN-RMM-X	Keystone Jack & DIN-Rail Mounting Module Kit without Side Lids
KI-DIN-RMM-SL	Keystone Industrial DIN-Rail Mounting Module with 2 Side Lids
KI-DIN-RMM	Keystone Industrial DIN-Rail Mounting Module without Side Lids

Specify category by substituting **X** in P/N with:

C6AC: Cat 6A UTP **C6C:** Cat 6 UTP **C5E:** Cat 5e UTP

SC6AC: Cat 6A FTP **SC6C:** Cat 6 FTP **SC5E:** Cat 5e FTP

Keystone Jacks are MT-series in light ivory (refer to pages C1-9), for additional color options contact customer service.



Optical Fiber Distribution Box

KEY FEATURES

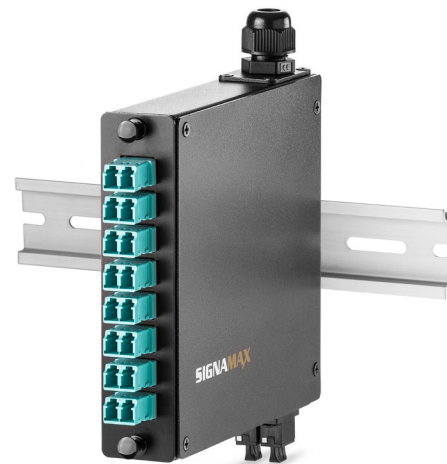
- DIN-Rail & surface mountable
- Termination density up to 24 maximum fibers
- Eight internal brackets to assist with proper fiber management
- Two cable entry ports with multiple fitting options
- Integrated for a customizable LGX modular adapter plate

ORDERING INFORMATION

PART NO.	DESCRIPTION
OFDB-01	Surface Mount Optical Fiber Distribution Box
OFDB-01DR	DIN-Rail Mount Optical Fiber Distribution Box

Accessories & plates sold separately.

Refer to page B6 for accessories & pages B13-15 for adapter plate options.



SPECIFICATIONS

DIMENSIONS

2.66" D x 0.71" W x 2.78" H (67.5 mm x 18.0 mm x 70.5 mm)

Width with Sides: 0.83" W (21.0 mm)

* For specifications on keystone jacks go to pages C1 thru C8 or page B16 for fiber.

CONSTRUCTION

Housing: High impact thermoplastic, UL94V-0 fire retardant

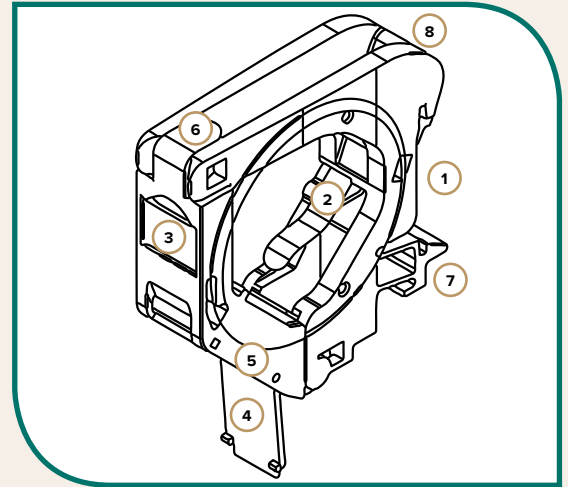
Jack Spring Wire: Bronze alloy

Industrial Grade Mounting Hardware

WORK AREA SOLUTIONS FOR INDUSTRIAL APPLICATIONS

STATE OF THE ART DESIGN FEATURES

1. Manufactured for standard 35-mm wide DIN rails
2. Bronze alloy spring serves two purposes – secure retention of all keystone jack types, and grounding contact and path for screened jacks
3. Clear plastic labeling window
4. Front hinged hatch protects keystone jack from damage and contamination when it is not used
5. Swinging cassette with latching mechanism allows quick and easy installation and removal of the keystone jack
6. Installation does not require special tools or threaded fastening – the module snaps-on the DIN rail
7. Cable entry points are equipped with noses supporting required cable bend radii and protecting cables from deformation
8. Equipment or patch cord connection angle provides for cord stress compensation caused by the cord's weight



Industrial Grade Stainless Steel Faceplates

KEY FEATURES

- Designed to be IP44-rated with rear gasket for harsh environments
- Compatible with all Signamax IP67 rated protected assemblies

ORDERING INFORMATION

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



Industrial Grade Surface-Mount Boxes

KEY FEATURES

- Mountable on any surface in 1, 2, 3, or 4 port versions
- IP66/IP67-rated when used with Signamax Industrial Grade Jacks
- Supplied with cable entry compression fittings

ORDERING INFORMATION

PART NO.	DESCRIPTION
SMKIG-X	Industrial-Grade Stainless Steel Surface-Mount Box

Specify port count by substituting **X** in P/N with: **1**: 1-port **2**: 2-port **3**: 3-port **4**: 4-port



SPECIFICATIONS

DIMENSIONS

Overall:

Faceplate: 2.75" W x 4.50" H (69.9 mm x 114.3 mm)

Box: 2.63" D x 5.0" W x 5.0" H (66.8 mm x 127 mm x 127 mm)

MOUNTING DIMENSIONS

Panel Opening(s): 1.125" Ø (14.7 mm)

Screw Distance: 3.28" (83.3 mm)

CONSTRUCTION

Faceplate: Stainless steel with rubber gasket

Box:

Cover: Stainless steel

Box: High impact thermoplastic, UL94V-0 fire retardant with rubber gasket

Multimedia Modular Outlet System

KEY FEATURES

- Customizable modules, faceplates & boxes for any application
- Combine twisted-pair, coaxial, fiber, & audio/video connectors in one housing
- Faceplates available in single or double gang versions
- Designed with labeling windows with clear plastic covers
- Surface-mount boxes are equipped with cable management, port labeling, & raceway knockouts

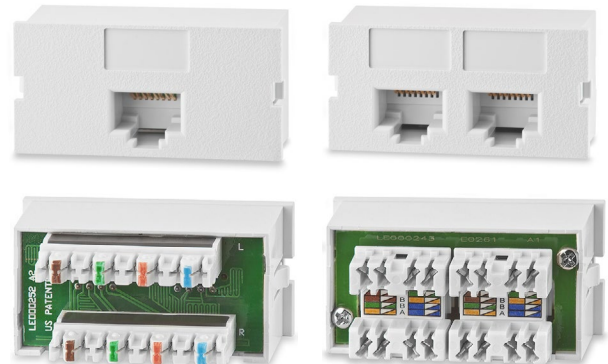


Category 6, 5e, & Voice Grade Connector Modules

ORDERING INFORMATION

PART NO.	DESCRIPTION
CATEGORY 6 CONNECTOR MODULES	
SCM145-C6C	1-Port Category 6 Module, T568A/B Wiring, Light Ivory
SCM245-C6C	2-Port Category 6 Module, T568A/B Wiring, Light Ivory
CATEGORY 5E CONNECTOR MODULES	
SCM145-C5E	1-Port Category 5e Module, T568A/B Wiring, Light Ivory
SCM245-C5E	2-Port Category 5e Module, T568A/B Wiring, Light Ivory
VOICE GRADE CONNECTOR MODULES	
SCM112-C3U	1-Port Category RJ-12 6 Wire Module, USOC Wiring, Light Ivory
SCM212-C3U	2-Port Category RJ-12 6 Wire Module, USOC Wiring, Light Ivory

For a white connector module add **-WH** to the P/N.

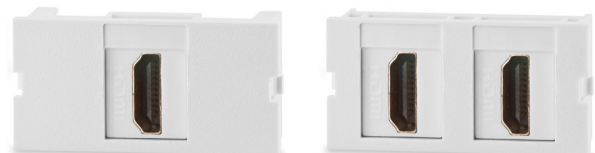


HDMI Connector Modules

ORDERING INFORMATION

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

For a white connector module add **-WH** to the P/N.



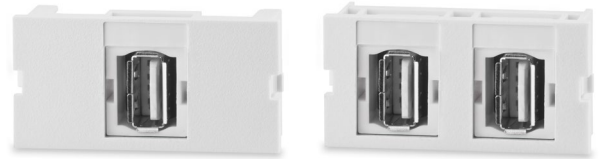
Multimedia Modular Outlet System

USB Connector Modules

ORDERING INFORMATION

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

For a white connector module add **-WH** to the P/N.

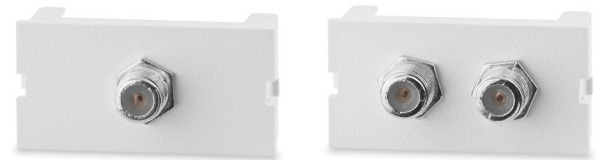


F-Type Connector Modules

ORDERING INFORMATION

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

For a 45° exit add **-A** to the P/N. For a white connector add **-WH** to the P/N.

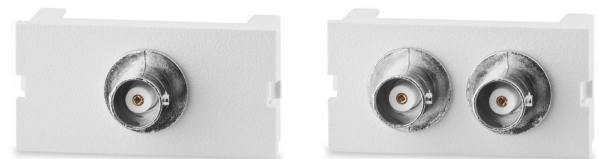


BNC Connector Modules

ORDERING INFORMATION

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

For a 45° exit add **-A** to the P/N. For a white connector add **-WH** to the P/N.



3-Way Binding Post Connector Module

ORDERING INFORMATION

PART NO.	DESCRIPTION
SCM-2RBA	2-Port 3-Way Binding Post Module, 180° Exit, Light Ivory
SCM-2RBA-WH	2-Port 3-Way Binding Post Module, 180° Exit, White

For a 45° exit add **-A** to the P/N.

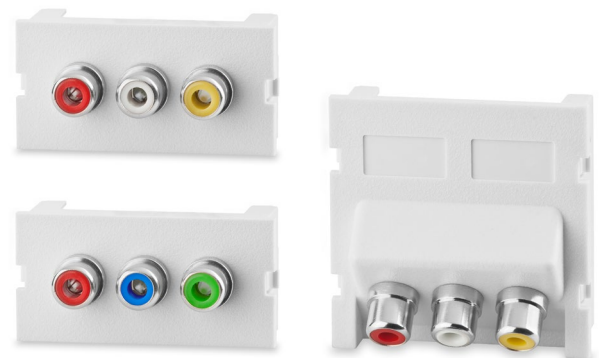


RCA Connector Modules

ORDERING INFORMATION

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

For a 45° exit add **-A** to the part number. For a white connector add **-WH** to the part number.

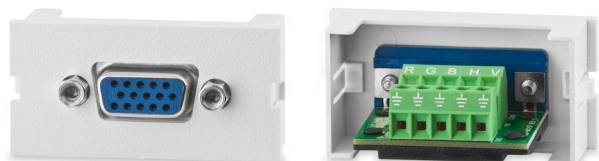


VGA HD-15 Connector Modules

ORDERING INFORMATION

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

For a white connector module add **-WH** to the P/N.



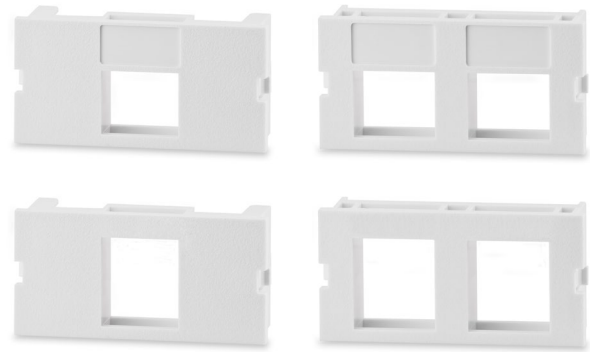
Multimedia Modular Outlet System

Keystone Jack Modules

ORDERING INFORMATION

PART NO.	DESCRIPTION
SCM-BL	Blank Module, Light Ivory
EMPTY KEYSTONE JACK CONNECTOR MODULES	
SCM-1-KU	1-Port Keystone Jack Connector Module, Light Ivory
SCM-2-KU	2-Port Keystone Jack Connector Module, Light Ivory
EMPTY MULTIMEDIA CONNECTOR MODULES	
SCM-1-MCU	1-Port Multimedia Connector Module, Light Ivory
SCM-2-MCU	2-Port Multimedia Connector Module, Light Ivory

For a white connector add **-WH** to the P/N.

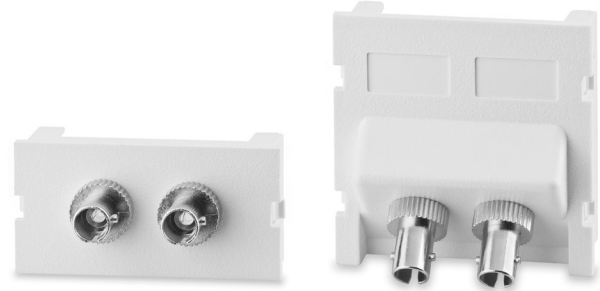


ST Fiber Connector Modules

ORDERING INFORMATION

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

For a 45° exit add **-A** to the P/N.



SC Fiber Connector Modules

ORDERING INFORMATION

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

For a 45° exit add **-A** to the P/N. For a white connector add **-WH** to the P/N.

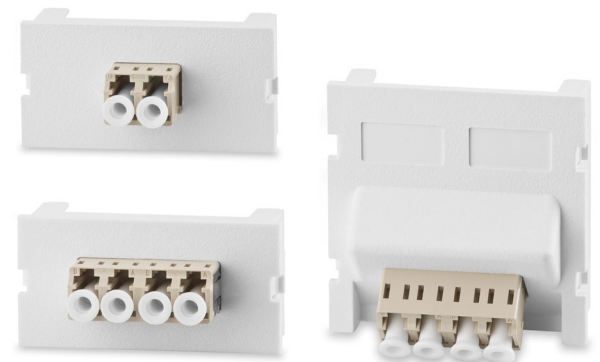


LC Fiber Connector Modules

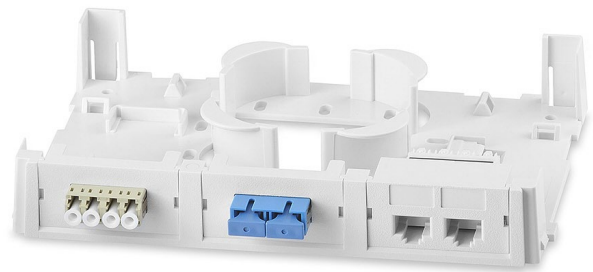
ORDERING INFORMATION

PART NO.	DESCRIPTION
SCM-1LC	2-Fiber LC OM1/OM2 Connector Module-180° Exit, Light Ivory
SCM-1LC-C	2-Fiber LC SM Connector Module-180° Exit, Light Ivory
SCM-1LC-G	2-Fiber LC OM3/OM4 Connector Module-180° Exit, Light Ivory
SCM-1LCA-C	2-Fiber LC APC SM Connector Module-180° Exit, Light Ivory
SCM-2LC	4-Fiber LC OM1/OM2 Connector Module-180° Exit, Light Ivory
SCM-2LC-C	4-Fiber LC SM Connector Module-180° Exit, Light Ivory
SCM-2LC-G	4-Fiber LC OM3/OM4 Connector Module-180° Exit, Light Ivory
SCM-2LCA-C	4-Fiber LC APC SM Connector Module-180° Exit, Light Ivory

For a 45° exit add **-A** to the P/N. For a white connector add **-WH** to the P/N.



Multimedia Modular Outlet System



SMMB-3F-WH

Single and Double Gang Faceplates

ORDERING INFORMATION

PART NO.	DESCRIPTION
SGF-06	Single-Gang Faceplate with 2 Labeling Windows, Light Ivory
SGF-06-WH	Single-Gang Faceplate with 2 Labeling Windows, White
DGF-12	Double-Gang Faceplate with 4 Labeling Windows, Light Ivory
DGF-12-WH	Double-Gang Faceplate with 4 Labeling Windows, White



Multimedia Surface Mount Boxes

ORDERING INFORMATION

PART NO.	DESCRIPTION
SMMB-1	1-Module Surface-Mount Multimedia Box, Light Ivory
SMMB-1-WH	1-Module Surface-Mount Multimedia Box, White
SMMB-3F	3-Module Surface-Mount Multimedia Box w/Cable Management, Light Ivory
SMMB-3F-WH	3-Module Surface-Mount Multimedia Box w/Cable Management, White



Surface Mount Faceplate Boxes

ORDERING INFORMATION

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

For other colors add the following to P/N:

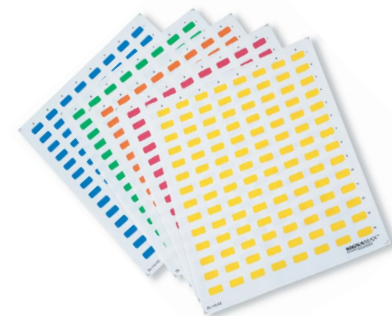


Printable Faceplate & Port Designation Labels

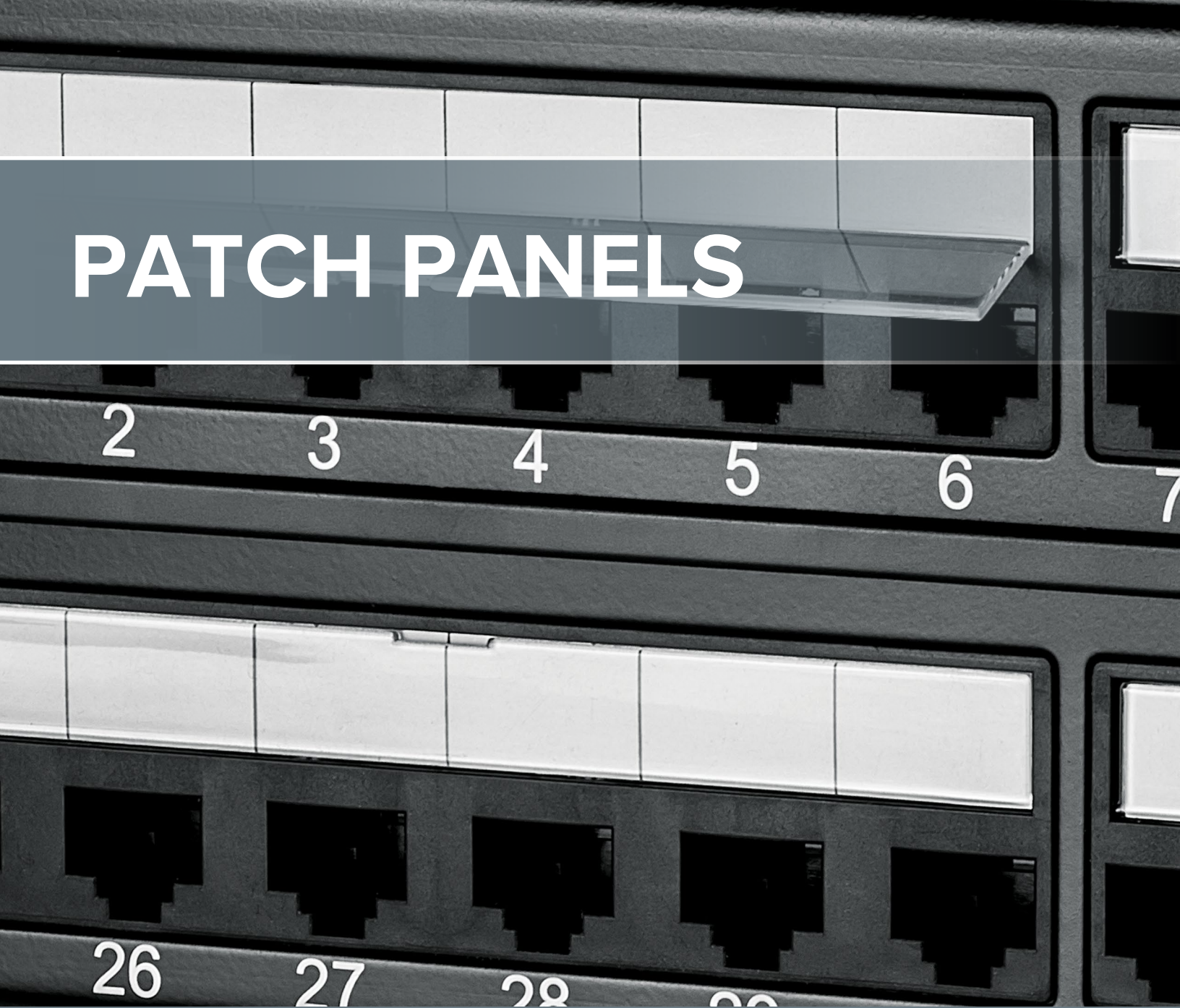
ORDERING INFORMATION

PART NO.	DESCRIPTION
FL-100B-WH	Faceplate Designation Cards, Sheet of 100, White only
DL-112-IV	Port Designation Labels, Sheet of 112, Light Ivory

For other colors replace -IV in the P/N for the following:



PATCH PANELS



EASY TO GOVERN SOLUTIONS, DESIGNED TO IMPROVE ORGANIZATION AND ALLOW FOR EASIER MANAGEMENT OF YOUR WIRED NETWORK.

Connect With Us     & Stay Up-to-Date

SECTION D CONTENTS

CATEGORY 6A

- D1 Category 6A Patch Panels**
 - MT-Series: Screened & Unscreened
 - MD-Series: Unscreened
 - Feed-Thru: Screened & Unscreened

CATEGORY 6

- D7 Category 6 Patch Panels**
 - MD-Series: Unscreened
 - EC-Series: Unscreened
 - MT-Series: Unscreened & Screened
 - Wall-Mount: Unscreened & Screened
 - Feed-Thru: Unscreened & Screened

CATEGORY 5E

- D13 Category 5e Patch Panels**
 - MD-Series: Unscreened
 - EC-Series: Unscreened
 - MT-Series: Unscreened & Screened
 - Wall-Mount: Unscreened & Screened
 - Feed-Thru: Unscreened & Screened

DATA CENTER IT INFRASTRUCTURE

- D19 DC-Series Panels & Pre-Terminated Cassettes System**

- D21 DE-Series Panels & Pre-Terminated Cassettes System**

FIELD CONFIGURABLE

- D23 Field-Configurable Patch Panels**

- D24 Pre-Terminated Trunk Cable Assemblies**

APPLICATION SPECIFIC

- D25 Modular-Telco Patch Panels**

- D26 Coaxial Feed-Thru Patch Panels**

F-Type / BNC

CROSS-CONNECT 110 & 66 STYLES

- D27 110-Style Wiring Blocks & Accessories**

110 Wiring Blocks/ IDC Connectors / Patch Cords

- D29 Rack-Mount 110 Wiring Blocks**

- D30 Pre-Wired / Assembled 110 Wiring Blocks**

- D31 Tools & Accessories**

Cable Management Troughs / Multi-Pair & Single Position Termination Tool
Printable 110 Wiring Block Designation Labels

- D32 66-Style Wiring Blocks & Accessories**

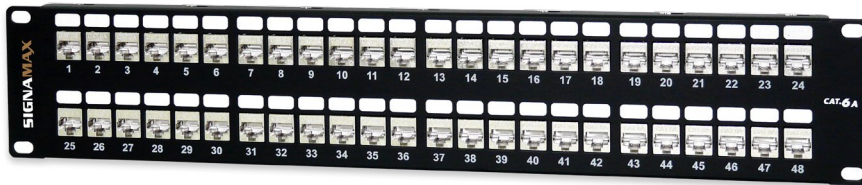
Pre-Assembled 66 Wiring Blocks
66 Wiring Block & Accessories

Category 6A MT-Series Patch Panels

Category 6A MT-Series Screened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Meets IEEE 802.3an 10 Gigabit Ethernet transmission requirements
- Overall solid-metal shielding design for 360-degree screen coverage
- Snap-in rear cable management bar
- Angled design eliminates the need for cable management panels saving space
- Improved wire retention and ease of termination with rear 110 type contacts
- Cold-rolled steel construction for maximum strength and durability



ORDERING INFORMATION

PART NO.	DESCRIPTION
24458S-C6A	24-Port Category 6A MT-Series Screened Patch Panel, 1 RMU
48458S-C6A	48-Port Category 6A MT-Series Screened Patch Panel, 2 RMU
72458S-C6A	72-Port Category 6A MT-Series Screened Patch Panel, 2 RMU
ANGLED PATCH PANELS	
24458SA-C6A	24-Port Category 6A MT-Series Screened Angled Patch Panel, 1 RMU
48458SA-C6A	48-Port Category 6A MT-Series Screened Angled Patch Panel, 2 RMU
72458SA-C6A	72-Port Category 6A MT-Series Screened Angled Patch Panel, 2 RMU

Panels are supplied as a kit, which includes the panel, MT-Series screened jacks per port count, a cable management bar per RMU (straight panel only), and cable ties. For panels with other keystone jack color options contact Customer Service.

SPECIFICATIONS

ELECTRICAL

Insulation Resistance: Min 500 MOhm @ 100 Vdc
Dielectric Withstanding Voltage:
 1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min
 1,500 Vdc/ac peak contact-to-panel @ 60 Hz for 1 min
Spring Wire Contact Resistance: Max 20 mOhm
IDC Contact Resistance: Max 2.5 mOhm

CONSTRUCTION

Panel: Steel with corrosive resistant black finish
Cable Management Bar (straight panel only): Steel with nickel plating
Jack:
Housing: High-impact thermoplastic, UL94V-0 fire-retardant
Contacts: Phosphor bronze alloy plated with min 50 µin of gold over 70 µin to 100 µin of nickel plating
IDC: 110 type, phosphor bronze alloy with 100-µin 100% tin alloy

DIMENSIONS

Panel: 19-in rack mountable
Depth:
Straight Panel:
Management Bar Installed: 6.0" (153 mm)
Management Bar Uninstalled: 1.5" (38 mm)
Angled Panel: 4.0" (102 mm)
Height:
 24458S-C6A, 24458SA-C6A: 1 RMU (1.75" (44.45 mm))
 48458S-C6A, 48458SA-C6A: 2 RMU (3.50" (88.90 mm))
 72458S-C6A, 72458SA-C6A: 2 RMU (3.50" (88.90 mm))
Jack: 1.67" D x 0.58" W x 1.02" H (42.4 mm x 14.6 mm x 25.8 mm)

MECHANICAL

Total Contact Force: Min 800 g for 8 wire leads with FCC compliant 8p8c plug
Retention: 50 N (11 lbf) for 60 ± 5 s
Mating Cycle Life: Min 750 cycles with FCC compliant 8p8c plug

Category 6A MT-Series Patch Panels

Category 6A MT-Series Unscreened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Meets IEEE 802.3an 10 Gigabit Ethernet transmission requirements
- Minimizes alien crosstalk with solid-metal cable-retention cap
- Snap-in rear cable management bar
- Angled design eliminates the need for cable management panels saving space
- Improved wire retention and ease of termination with rear 110 type contacts



ORDERING INFORMATION

PART NO.	DESCRIPTION
24458-C6A	24-Port Category 6A MT-Series Patch Panel, 1 RMU
48458-C6A	48-Port Category 6A MT-Series Patch Panel, 2 RMU
72458-C6A	72-Port Category 6A MT-Series Patch Panel, 2 RMU
ANGLED PATCH PANELS	
24458A-C6A	24-Port Category 6A MT-Series Angled Patch Panel, 1 RMU
48458A-C6A	48-Port Category 6A MT-Series Angled Patch Panel, 2 RMU
72458A-C6A	72-Port Category 6A MT-Series Angled Patch Panel, 2 RMU

Panels are supplied as a kit, which includes the panel, black MT-Series screened jacks per port count, a cable management bar per RMU (straight only), and cable ties. For panels with other keystone jack color options contact Customer Service.

SPECIFICATIONS

ELECTRICAL

- Insulation Resistance:** Min 500 MOhm @ 100 Vdc
- Dielectric Withstanding Voltage:** 1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min
- Spring Wire Contact Resistance:** Max 20 mOhm
- IDC Contact Resistance:** Max 2.5 mOhm

CONSTRUCTION

- Panel:** Steel with corrosive resistant black finish
- Cable management bar:** Thermoplastic with steel brackets
- Jack:**
- Housing:** High-impact thermoplastic, UL94V-0 fire-retardant
- Contacts:** Phosphor bronze alloy plated with min 50 µin of gold over 70 µin to 100 µin of nickel plating
- IDC:** 110 type, phosphor bronze alloy with 100-µin 100% tin alloy

DIMENSIONS

- Panel:** 19-in rack mountable
- Depth:**
- Straight Panel:**
- Management Bar Installed:** 6.0" (153 mm)
- Management Bar Uninstalled:** 1.5" (38 mm)
- Angled Panel:** 4.0" (102 mm)
- Height:**
- 24458-C6A, 24458A-C6A: 1 RMU (1.75" (44.45 mm))
- 48458-C6A, 48458A-C6A: 2 RMU (3.50" (88.90 mm))
- 72458-C6A 72458A-C6A: 2 RMU (3.50" (88.90 mm))
- Jack:** 1.21" D x 0.67" W x 0.76" H (30.8 mm x 16.9 mm x 19.3 mm)

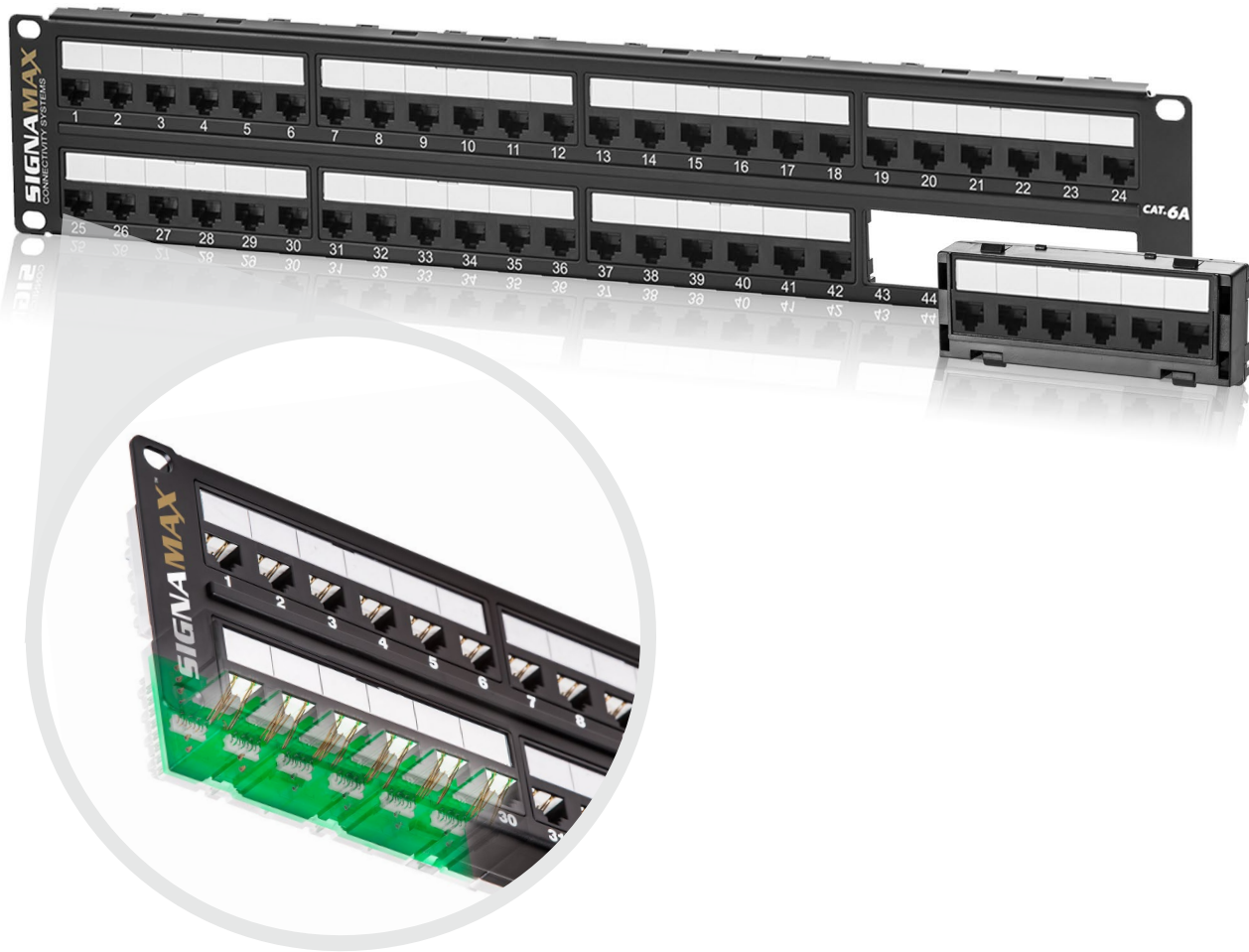
MECHANICAL

- Total Contact Force:** Min 800 g for 8 wire leads with FCC compliant 8p8c plug
- Retention:** 50 N (11 lbf) for 60 ± 5 s
- Mating Cycle Life:** Min 750 cycles with FCC compliant 8p8c plug

Category 6A MD-Series Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 transmission performance
- Meets IEEE 802.3an 10 Gigabit Ethernet transmission requirements
- Modular blocks with built-in PCB-based jack modules ensure Category 6A parameters
- Easy-to-read T568A/B wiring scheme color-coded label
- Snap-in rear cable management bar
- 110-type connectors' orientation guarantees excellent alien cross-talk parameters
- Port designation features along each port for quick identification
- Cold-rolled steel construction for maximum strength and durability



SPECIFICATIONS

ELECTRICAL

Insulation Resistance: Min 500 MOhm @ 100 Vdc

Dielectric Withstanding Voltage:

1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min

Spring Wire Contact Resistance: Max 20 mOhm

IDC Contact Resistance: Max 2.5 mOhm

CONSTRUCTION

Panel: Steel with corrosive resistant black finish

Cable management bar: Nickel-plated steel

Connector:

Housing: High-impact thermoplastic, UL94V-0 fire-retardant

Spring Wire: Phosphor bronze alloy plated with min 50 µin of gold over 70 µin to 100 µin of nickel plating

IDC: 110 type, phosphor bronze alloy with 100-µin 100%

DIMENSIONS

Panel: 19-in rack mountable

Depth:

Management Bar Installed: 3.5" (75 mm)

Management Bar Uninstalled: 1.5" (38 mm)

Height:

24458MD-C6AC: 1 RMU (1.75" (44.45 mm))

48458MD-C6AC: 2 RMU (3.50" (88.90 mm))

MECHANICAL

Total Contact Force: Min 800 g for 8 wire leads with FCC compliant 8p8c plug

Retention: 50 N (11 lbf) for 60 ± 5 s

Mating Cycle Life: Min 750 cycles with FCC compliant 8p8c plug

Category 6A MD-Series Patch Panels



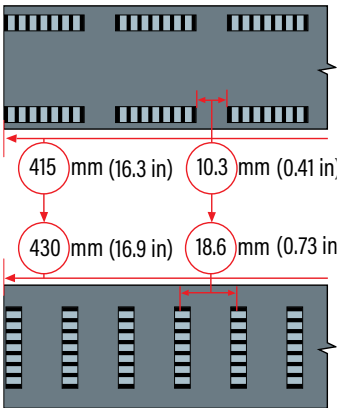
Category 6A MD-Series Unscreened Patch Panels

ORDERING INFORMATION

PART NO.	DESCRIPTION
24458MD-C6AC	24-Port Category 6A MD-Series Patch Panel, 1 RMU
48458MD-C6AC	48-Port Category 6A MD-Series Patch Panel, 2 RMU

TECH TIP FOCUS: CONNECTOR ORIENTATION

MD-Series panel with standard base & traditional horizontal connector layout



Cat 6A MD-Series panel with extended base & improved connector layout

OUTSIDE THE MAINSTREAM ON PURPOSE

The orientation of category 6A MD-series patch panel cable termination connectors may look non-mainstream but there were specific design reasons.

One of the major problems in high-frequency transmission over twisted-pair lines is so-called alien cross-talk (AXT), a noise created in copper cable pairs or connector’s circuitry by all combined external electromagnetic (EM) noise sources (in contrast to internal crosstalk (XT) such as NEXT/ACRF that is interference between elements within the same connector). In common network environments in the absence of high-power external EM sources, the overwhelming portion of AXT noise is generated by other connectors in the vicinity. Controlling AXT is especially critical for normal functioning of applications using all four pairs in duplex mode for transmission simultaneously (e.g., 10GBASE-T and other “multi-gigabit” techniques) when inter-pair XT can be effectively cancelled by receivers since they “know” what their “native” transceivers send down the line, while AXT is unpredictable since it’s coming from “unknown” (“alien”) sources. In unscreened connecting hardware the only way to reduce AXT is spatial separation of connectors. The larger the gap between any two connectors, the better the AXT.

The Cat 6A MD-series panel belongs to the unscreened family of products and requires more separation to comply with Cat 6A transmission specifications. To ensure better AXT the panel base was extended from 415 mm to 430 mm and connectors were turned 90° to increase the space between connectors. The design change allowed for an additional 8-mm (0.33-in) spatial difference compared with the conventional MD-Series panels, thus reducing AXT.

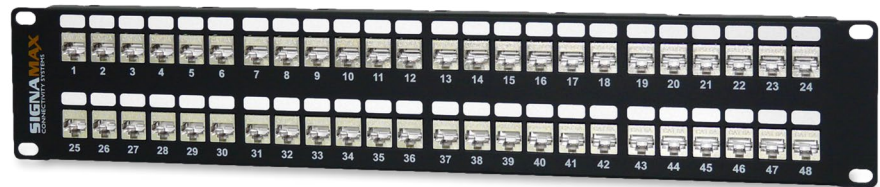


Category 6A Feed-Thru Patch Panels

Category 6A Screened Feed-Thru Patch Panels

KEY FEATURES

- Supports ANSI/TIA-568-C.2 channel performance
- Straight-through wiring compatible with any wiring scheme up to 8 conductors
- Available in standard and high density versions
- Overall solid-metal shielding design for 360-degree screen coverage
- Removable rear cable management bar with all high-density panels
- Cold-rolled steel construction for maximum strength and durability



ORDERING INFORMATION

PART NO.	DESCRIPTION
HIGH-DENSITY PANELS	
24458SFTHD-C6A	24-Port Category 6A Feed-Thru Screened Patch Panel, 1 RMU
48458SFTHD-C6A	48-Port Category 6A Feed-Thru Screened Patch Panel, 2 RMU
72458SFTHD-C6A	72-Port Category 6A Feed-Thru Screened Patch Panel, 2 RMU
STANDARD-DENSITY PANELS	
12458SFT-C6A	12-Port Category 6A Feed-Thru Screened Patch Panel, 1 RMU
16458SFT-C6A	16-Port Category 6A Feed-Thru Screened Patch Panel, 1 RMU
24458SFT-C6A	24-Port Category 6A Feed-Thru Screened Patch Panel, 2 RMU
32458SFT-C6A	32-Port Category 6A Feed-Thru Screened Patch Panel, 2 RMU
48458SFT-C6A	48-Port Category 6A Feed-Thru Screened Patch Panel, 3 RMU

Panels are supplied as a kit, which includes the panel, screened feed-thru couplers per port count and cable management bar (high-density only).

SPECIFICATIONS

ELECTRICAL

Insulation Resistance: min 500 MOhm @ 100 Vdc

Dielectric Withstanding Voltage:

1,500 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min

Spring Wire Contact Resistance: Max 20 mOhm

DC Contact Resistance: Max 0.1 mOhm

CONSTRUCTION

Panel:

Front: Steel with corrosive resistant black finish/ **Rear:** Nickel-plated steel

Cable management bar: High-impact thermoplastic

Jack:

Housing: Zinc-alloy, 100-µin nickel plated

Jack Spring Wire: Phosphor bronze 5100W temper, 50 µin gold plated over 100 µin of nickel plated

DIMENSIONS

Panel: 19-in rack mountable

Height:

12458SFT-C6A/16458SFT-C6A//24458SFTHD-C6A/ 48458SFTHD1-C6A:
1 RMU (1.75" (44.45 mm))

24458SFT-C6A/32458SFT-C6A /48458SFTHD-C6A/72458SFTHD-C6A:
2 RMU (3.50" (88.90 mm))

48458SFT-C6A: 3 RMU (5.25" (133.35 mm))

Jack: 1.16" D x 0.58" W x 0.64" H (29.5 mm x 14.7 mm x 25.8 mm)

MECHANICAL

Total Contact Force: Min 100 g for FCC compliant 8p8c plug

Retention: Min 50 N (11 lbf) for 60 ± 5 s

Mating Cycle Life: Min 750 cycles for FCC compliant 8p8c plug

Category 6A Feed-Thru Patch Panels

Category 6A Feed-Thru Unscreened Patch Panels

KEY FEATURES

- Supports ANSI/TIA-568-C.2 channel performance
- Straight-through wiring compatible with any wiring scheme up to 8 conductors
- Available in standard and high density versions
- Overall solid-metal shielding design for 360-degree screen coverage
- Removable rear cable management bar with all high-density panels
- Cold-rolled steel construction for maximum strength and durability



ORDERING INFORMATION

PART NO.	DESCRIPTION
HIGH-DENSITY PANELS	
24458FTHD-C6A	24-Port Category 6A Feed-Thru Patch Panel, 1 RMU
48458FTHD-C6A	48-Port Category 6A Feed-Thru Patch Panel, 2 RMU
72458FTHD-C6A	72-Port Category 6A Feed-Thru Patch Panel, 2 RMU
STANDARD-DENSITY PANELS	
12458FT-C6A	12-Port Category 6A Feed-Thru Patch Panel, 1 RMU
16458FT-C6A	16-Port Category 6A Feed-Thru Patch Panel, 1 RMU
24458FT-C6A	24-Port Category 6A Feed-Thru Patch Panel, 2 RMU
32458FT-C6A	32-Port Category 6A Feed-Thru Patch Panel, 2 RMU
48458FT-C6A	48-Port Category 6A Feed-Thru Patch Panel, 3 RMU

Panels are supplied as a kit, which includes the panel, screened feed-thru couplers per port count and cable management bar for high-density only.

SPECIFICATIONS

ELECTRICAL

Insulation Resistance: min 500 MOhm @ 100 Vdc

Dielectric Withstanding Voltage:

1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min
Spring Wire Contact Resistance: Max 20 mOhm

DC Contact Resistance: Max 0.1 mOhm

CONSTRUCTION

Panel:

Front: Steel with corrosive resistant black finish / **Rear:** Nickel-plated steel

Cable management bar: High-impact thermoplastic

Jack:

Housing: High impact thermoplastic, UL94V-0 fire retardant

Contacts: Phosphor bronze 5100W temper, 50 µin gold plated over 100 µin of nickel plated

DIMENSIONS

Panel: 19-in rack mountable

Height:

12458FT-C6A/16458FT-C6A/24458FTHD-C6A/48458FTHD1-C6A:
1 RMU (1.75" (44.45 mm))

24458FT-C6A/32458FT-C6A/48458FTHD-C6A/72458FTHD-C6A:
2 RMU (3.50" (88.90 mm))

48458FT-C6A: 3 RMU (5.25" (133.35 mm))

Jack: 1.16" D x 0.58" W x 0.64" H (29.5 mm x 14.7 mm x 25.8 mm)

MECHANICAL

Total Contact Force: min 100 g for FCC compliant 8p8c plug

Retention: min 50 N (11 lbf) for 60 ± 5 s

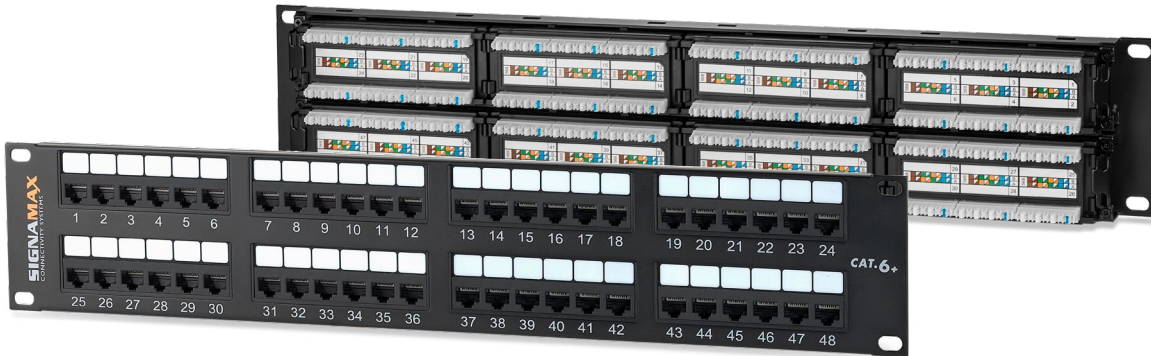
Mating Cycle Life: min 750 cycles for FCC compliant 8p8c plug

Category 6 MD-Series Patch Panels

Category 6 MD-Series Unscreened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 Category 6 component performance
- Modular blocks with built-in PCB-based jacks ensure Category 6 parameters
- Easy-to-read T568A/B wiring scheme color-coded label
- Port designation features along each port for quick identification
- Designed for optional snap-in cable management bar
- Cold-rolled steel construction for maximum strength and durability



ORDERING INFORMATION

PART NO.	DESCRIPTION
12458MD-C6C	12-Port Category 6 MD-Series Patch Panel, 1 RMU
24458MD-C6C	24-Port Category 6 MD-Series Patch Panel, 1 RMU
48458MD-C6C	48-Port Category 6 MD-Series Patch Panel, 2 RMU

Optional cable management accessories sold separately; refer to page F5.

MD-Series Patch Panels Designation Sheets

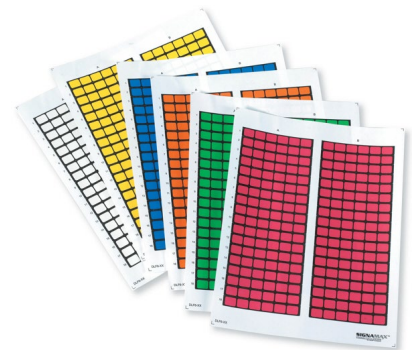
ORDERING INFORMATION

PART NO.	DESCRIPTION
DLF6-CC	Front 6-Port Designation Label Sheet
DLR6-WH	Back 6-Port Designation Label Sheet, White
SPL-XXX-CC	Pre-printed Sequentially Numbered, Front 6-Port Designation Label Sheet

Specify label color by substituting **CC** in P/N for the following: **WH** **YE** **OR** **RD** **BU** **GN**

Specify pre-print port count by substituting **XXX** in P/N for the following: **240**: 1-240 **480**: 1-480 **720**: 1-720

Compatible with Cat 6 and 5e MD Patch Panels only.



SPECIFICATIONS

ELECTRICAL

Insulation Resistance: Min 500 MOhm @ 100 Vdc

Dielectric Withstanding Voltage:

1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min

Spring Wire Contact Resistance: Max 20 mOhm

IDC Contact Resistance: Max 2.5 mOhm

CONSTRUCTION

Panel: Steel with corrosive resistant black finish

Connector:

Housing: High-impact thermoplastic, UL94V-0 fire-retardant

Spring Wire: Phosphor bronze alloy plated with min 50 µin of gold over 70 µin to 100 µin of nickel plating

IDC: 110 type, phosphor bronze alloy with 100-µin 100% tin alloy

DIMENSIONS

Panel: 19-in rack mountable

Depth:

Management Bar Installed: 6.0" (153 mm)

Management Bar Uninstalled: 1.5" (38 mm)

Height:

12458-C6C: 1 RMU (1.75" (44.45 mm))

24458-C6C: 1 RMU (1.75" (44.45 mm))

48458-C6C: 2 RMU (3.50" (88.90 mm))

MECHANICAL

Total Contact Force: Min 800 g for 8 wire leads with FCC compliant 8p8c plug

Retention: 50 N (11 lbf) for 60 ± 5 s

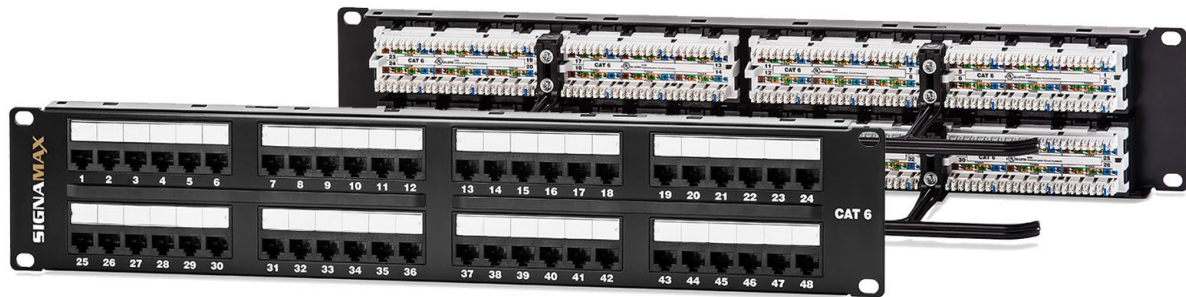
Mating Cycle Life: Min 750 cycles with FCC compliant 8p8c plug

Category 6 EC-Series Patch Panels

Category 6 EC-Series Unscreened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 Category 6 component performance
- Modular blocks with built-in PCB-based jacks ensure Category 6 parameters
- Hinged clear windows over each set of ports for quick identification
- Removable (screwed-on) rear cable management bar
- Standard termination with single-position or multi-pair 110 termination tools
- Easy-to-read T568A/B wiring scheme color-coded label
- Cold-rolled steel construction for maximum strength and durability



ORDERING INFORMATION

PART NO.	DESCRIPTION
24458EC-C6	24-Port Category 6 EC-Series Patch Panel, 1 RMU
48458EC-C6	48-Port Category 6 EC-Series Patch Panel, 2 RMU

REMOVABLE CABLE MANAGEMENT



HINGED LABELING WINDOW



SPECIFICATIONS

ELECTRICAL

- Insulation Resistance:** Min 500 MOhm @ 100 Vdc
- Dielectric Withstanding Voltage:** 1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min
- Spring Wire Contact Resistance:** Max 20 mOhm
- IDC Contact Resistance:** Max 2.5 mOhm

CONSTRUCTION

- Panel:** Steel with corrosive resistant black finish
- Connector:** High-impact thermoplastic, UL94V-0 fire-retardant
- Housing:** High-impact thermoplastic, UL94V-0 fire-retardant
- Spring Wire:** Phosphor bronze alloy plated with min 50 µin of gold over 70 µin to 100 µin of nickel plating
- IDC:** 110 type, phosphor bronze alloy with 100-µin 100% tin alloy

DIMENSIONS

- Panel:** 19-in rack mountable
- Depth:**
 - Management Bar Installed:** 3.5" (88 mm)
 - Management Bar Uninstalled:** 1.4" (35 mm)
- Height:**
 - 24458EC-C6: 1 RMU (1.75" (44.45 mm))
 - 48458EC-C6: 2 RMU (3.50" (88.90 mm))

MECHANICAL

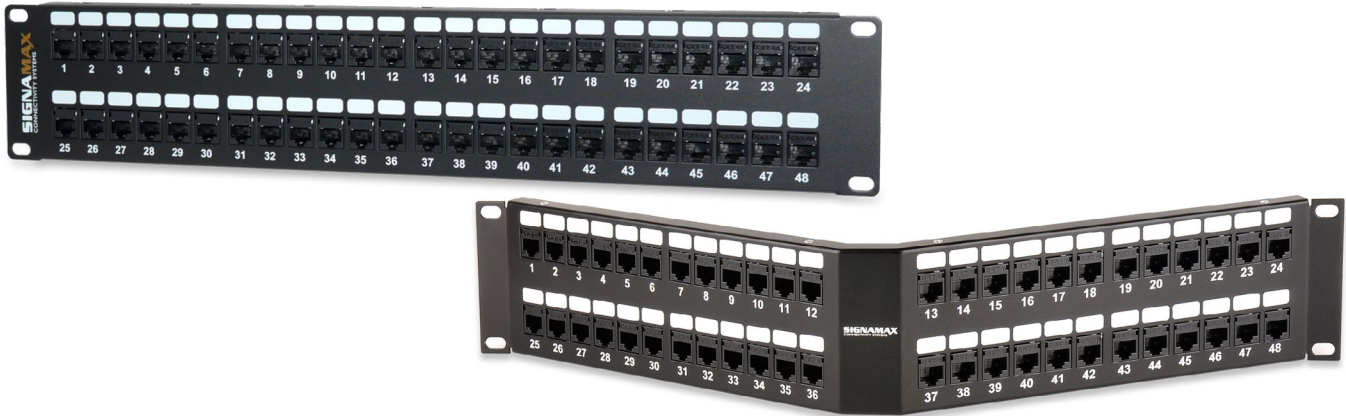
- Total Contact Force:** Min 800 g for 8 wire leads with FCC compliant 8p8c plug
- Retention:** 50 N (11 lbf) for 60 ± 5 s
- Mating Cycle Life:** Min 750 cycles with FCC compliant 8p8c plug

Category 6 MT-Series Patch Panels

Category 6 MT-Series Unscreened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Improved wire retention and ease of termination with rear 110 type contacts
- Easy-to-read T568A/B wiring scheme color-coded label
- Angled design eliminates the need for cable management panels saving space
- Cold-rolled steel construction for maximum strength and durability
- Snap-in rear cable management bar



ORDERING INFORMATION

PART NO.	DESCRIPTION
24458-C6C	24-Port Category 6 MT-Series Patch Panel, 1 RMU
48458-C6C	48-Port Category 6 MT-Series Patch Panel, 2 RMU
72458-C6C	72-Port Category 6 MT-Series Patch Panel, 2 RMU
48458HD-C6C	48-Port Category 6 MT-Series Patch Panel, 1 RMU

ANGLED PATCH PANELS

24458A-C6C	24-Port Category 6 MT-Series Angled Patch Panel 1 RMU
48458A-C6C	48-Port Category 6 MT-Series Angled Patch Panel, 2 RMU
72458A-C6C	72-Port Category 6 MT-Series Angled Patch Panel, 2 RMU

Panels are supplied as a kit, which includes the panel, black MT-Series screened jacks per port count, a cable management bar per RMU (straight only), and cable ties. For panels with other keystone jack color options contact Customer Service.

SPECIFICATIONS

ELECTRICAL

- Insulation Resistance:** Min 500 MOhm @ 100 Vdc
- Dielectric Withstanding Voltage:** 1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min
- Spring Wire Contact Resistance:** Max 20 mOhm
- IDC Contact Resistance:** Max 2.5 mOhm

CONSTRUCTION

- Panel:** Steel with corrosive resistant black finish
- Cable Management Bar:** Thermoplastic with steel brackets
- Jack:**
- Housing:** High-impact thermoplastic, UL94V-0 fire-retardant
- Contacts:** Phosphor bronze alloy plated with min 50 µin of gold over 70 µin to 100 µin of nickel plating
- IDC:** 110 type, phosphor bronze alloy with 100-µin 100% tin alloy

DIMENSIONS

- Panel:** 19-in rack mountable
- Depth:**
 - Straight Panel:**
 - Management Bar Installed:** 6.0" (153 mm)
 - Management Bar Uninstalled:** 1.5" (38 mm)
 - Angled Panel:** 4.0" (102 mm)
- Height:**
 - 24458-C6C, 24458A-C6C, 48458HD-C6C: 1 RMU (1.75" (44.45 mm))
 - 48458-C6C, 48458A-C6C: 2 RMU (3.50" (88.90 mm))
 - 72458-C6C, 72458A-C6C: 2 RMU (3.50" (88.90 mm))
- Jack:** 1.21" D x 0.67" W x 0.76" H (30.8 mm x 16.9 mm x 19.3 mm)

MECHANICAL

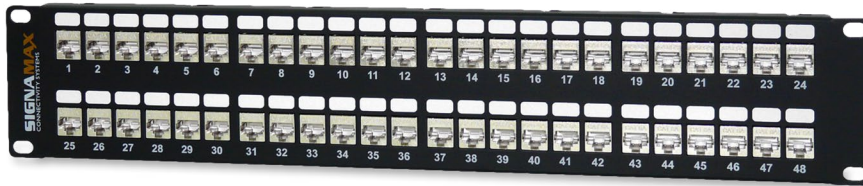
- Total Contact Force:** Min 800 g for 8 wire leads with FCC compliant 8p8c plug
- Retention:** 50 N (11 lbf) for 60 ± 5 s
- Mating Cycle Life:** Min 750 cycles with FCC compliant 8p8c plug

Category 6 MT-Series Patch Panels

Category 6 MT-Series Screened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Overall solid-metal shielding design for 360-degree screen coverage
- Improved wire retention and ease of termination with rear 110 type contacts
- Angled design eliminates the need for cable management panels saving space
- Cold-rolled steel construction for maximum strength and durability
- Snap-in rear cable management bar



ORDERING INFORMATION

PART NO.	DESCRIPTION
24458S-C6	24-Port Category 6 MT-Series Screened Patch Panel, 1 RMU
48458S-C6	48-Port Category 6 MT-Series Screened Patch Panel, 2 RMU
72458S-C6	72-Port Category 6 MT-Series Screened Patch Panel, 2 RMU
ANGLED PATCH PANELS	
24458SA-C6	24-Port Category 6 MT-Series Screened Angled Patch Panel, 1 RMU
48458SA-C6	48-Port Category 6 MT-Series Screened Angled Patch Panel, 2 RMU
72458SA-C6	72-Port Category 6 MT-Series Screened Angled Patch Panel, 2 RMU

Panels are supplied as a kit, which includes the panel, MT-Series screened jacks per port count, a cable management bar per RMU (straight only), and cable ties. For panels with other keystone jack color options contact Customer Service.

SPECIFICATIONS

ELECTRICAL

Insulation Resistance: Min 500 MOhm @ 100 Vdc
Dielectric Withstanding Voltage:
 1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min
 1,500 Vdc/ac peak contact-to-panel @ 60 Hz for 1 min
Spring Wire Contact Resistance: Max 20 mOhm
IDC Contact Resistance: Max 2.5 mOhm

CONSTRUCTION

Panel: Steel with corrosive resistant black finish
Cable Management Bar: Steel with nickel plating
Jack:
Housing: Zinc-alloy, 100- μ in nickel plated
Contacts: Phosphor bronze alloy plated with min 50 μ in of gold over 70 μ in to 100 μ in of nickel plating
IDC: 110 type, phosphor bronze alloy with 100- μ in 100% tin alloy

DIMENSIONS

Panel: 19-in rack mountable
Depth:
Straight Panel:
Management Bar Installed: 6.0" (153 mm)
Management Bar Uninstalled: 1.5" (38 mm)
Angled Panel: 4.0" (102 mm)
Height:
 24458S-C6C, 24458SA-C6C: 1 RMU (1.75" (44.45 mm))
 48458S-C6C, 48458SA-C6C: 2 RMU (3.50" (88.90 mm))
 72458S-C6C 72458SA-C6C: 2 RMU (3.50" (88.90 mm))
Jack: 1.67" D x 0.58" W x 1.02" H (42.4 mm x 14.6 mm x 25.8 mm)

MECHANICAL

Total Contact Force: Min 800 g for 8 wire leads with FCC compliant 8p8c plug
Retention: 50 N (11 lbf) for 60 \pm 5 s
Mating Cycle Life: Min 750 cycles with FCC compliant 8p8c plug

Category 6 Wall-Mount Patch Panels

Category 6 Wall-Mount Jack Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Front access to the modular sockets & 110 connectors
- Accessible from any direction for distribution cables
- Integrated for optional 89D-type mounting brackets
- Compatible with standard one-position & four-position 110 type tools



ORDERING INFORMATION

PART NO.	DESCRIPTION
6458JPL-C6C	6-Port Category 6 Jack Patch Panel, Flush-Mount
6458JPL-C6C-L	6-Port Category 6 Jack Patch Panel, Stand-off Legs
6458JPL-C6C-DR	6-Port Category 6 Jack Patch Panel, DIN-Rail Mount
12458JPL-C6C	12-Port Category 6 Jack Patch Panel, Flush-Mount
12458JPL-C6C-L	12-Port Category 6 Jack Patch Panel, Stand-off Legs
12458JPL-C6C-DR	12-Port Category 6 Jack Patch Panel, DIN-Rail Mount

Category 6 Wall-Mount Mini Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 Category 6 component performance
- Available with an 89D bracket or hinged design allowing easier access to termination panels
- Modular blocks with built-in PCB-based jacks ensure Category 6 parameters
- Easy-to-read T568A/B wiring scheme color-coded label
- Standard termination with single-position or multi-pair 110 termination tools



ORDERING INFORMATION

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

SPECIFICATIONS

ELECTRICAL

- Insulation Resistance:** Min 500 MOhm @ 100 Vdc
- Dielectric Withstanding Voltage:** 1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min
- Spring Wire Contact Resistance:** Max 20 mOhm
- IDC Contact Resistance:** Max 2.5 mOhm

CONSTRUCTION

- JPL Housing:** High-impact thermoplastic, UL94V-0 fire-retardant
- Mini Panel:** Steel with corrosive resistant black finish
- 89D Bracket:** High-impact thermoplastic, UL94V-0 fire-retardant
- Connectors:**
 - Housing:** High-impact thermoplastic, UL94V-0 fire-retardant
 - Spring Wire:** Phosphor bronze alloy plated with min 50 µin of gold over 70 µin to 100 µin of nickel plating
 - IDC:** 110 type, phosphor bronze alloy with 100-µin 100% tin alloy

DIMENSIONS

Jack Panels

- Depth:** Without Legs: 1.5" (38 mm); With Legs: 2.8" (70 mm); With DIN-Rail: 1.8" (46 mm)
- Width:** 6458JPL-C6C(-DR)/12458JPL-C6C-DR: 7.0" (177 mm); 6458JPL-C6C-L: 2.66" (210 mm); 12458JPL-C6C: 10.5" (266 mm); 12458JPL-C6C-L: 11.8" (300 mm)
- Height:** 2.7" (67 mm)

Mini Panels

- 12458M-C6C:** 2.38" D x 2.06" W x 10.0" H (60.5 mm x 52.3 mm x 254 mm)
- 12458MH-C6C:** 1.88" D (panel only)/ 3.69" D (overall) x 2.44" W x 10.0" H (47.8 mm (panel only)/ 47.8 mm (overall) x 17.0 mm x 254 mm)

MECHANICAL

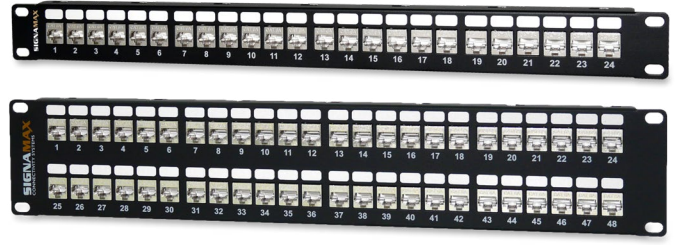
- Total Contact Force:** Min 800 g for 8 wire leads with FCC compliant 8p8c plug
- Retention:** 50 N (11 lbf) for 60 ± 5 s
- Mating Cycle Life:** Min 750 cycles with FCC compliant 8p8c plug

Category 6 Feed-Thru Patch Panels

Category 6 Feed-Thru Patch Panels

KEY FEATURES

- Supports ANSI/TIA-568-C.2 channel performance
- Snap-in rear cable management bar with all high-density panels
- Screened version has overall 360-degree shielded coverage
- Available in standard and high density versions along with screened or unscreened versions
- Straight-through wiring compatible with any wiring scheme up to 8 conductors



ORDERING INFORMATION

PART NO.	DESCRIPTION
UNSCREENED HIGH-DENSITY PANELS	
24458FTHD-C6	24-Port Category 6 Feed-Thru Unscreended Patch Panel, 1 RMU
48458FTHD-C6	48-Port Category 6 Feed-Thru Unscreended Patch Panel, 2 RMU
72458FTHD-C6	72-Port Category 6 Feed-Thru Unscreended Patch Panel, 2 RMU
48458FTHD1-C6	48-Port Category 6 Feed-Thru Unscreended Patch Panel, 1 RMU
SCREENED HIGH-DENSITY PANELS	
24458SFTHD-C6	24-Port Category 6 Feed-Thru Screened Patch Panel, 1 RMU
48458SFTHD-C6	48-Port Category 6 Feed-Thru Screened Patch Panel, 2 RMU
72458SFTHD-C6	72-Port Category 6 Feed-Thru Screened Patch Panel, 2 RMU
UNSCREENED STANDARD-DENSITY PANELS	
X458FT-C6	Category 6 Feed-Thru Unscreended Patch Panel
SCREENED STANDARD-DENSITY PANELS	
X458FT-C6	Category 6 Feed-Thru Screened Patch Panel

Specify port count by replacing the **X** with the following:

12: 12-Ports (1 RMU) **16:** 16-Ports (1 RMU) **24:** 24-Ports (2 RMU) **32:** 32-Ports (2 RMU) **48:** 48-Ports (3 RMU)

Panels are supplied as a kit, which includes the panel, unscreended or screened feed-thru couplers per port count and cable management bar for high-density only.

SPECIFICATIONS

ELECTRICAL

Insulation Resistance: min 500 MOhm @ 100 Vdc

Dielectric Withstanding Voltage:

1,000 Vdc/ac (1,500 Vdc/ac (screened)) peak contact-to-contact @ 60 Hz for 1 min

Spring Wire Contact Resistance: Max 20 mOhm

DC Contact Resistance: Max 0.1 mOhm

CONSTRUCTION

Panel:

Front: Steel with corrosive resistant black finish/ Rear: Nickel-plated steel

Cable management bar: High-impact thermoplastic

Jack:

Housing:

Unscreened: High-impact thermoplastic, Nickel-plated copper

Screened: Zinc-alloy, 100-µin nickel plated

Contacts: Phosphor bronze 5100W temper, min 50 µin of gold over 70 µin to 100 µin of nickel plated

DIMENSIONS

Panel: 19-in rack mountable

Height:

12458(S)FT-C6/ 16458(S)FT-C6/24458(S)FTHD-C6/48458FTHD1-C6:

1 RMU (1.75" (44.45 mm))

24458(S)FT-C6/ 32458(S)FT-C6/48458(S)FTHD-C6/72458(S)FTHD-C6:

2 RMU (3.50" (88.90 mm))

48458(S)FT-C6: 3 RMU (5.25" (133.35 mm))

Jack: 1.16" D x 0.58" W x 0.64" H (29.5 mm x 14.7 mm x 25.8 mm)

MECHANICAL

Total Contact Force: Min 100 g for FCC compliant 8p8c plug

Retention: Min 50 N (11 lbf) for 60 ± 5 s

Mating Cycle Life: Min 750 cycles for FCC compliant 8p8c plug

Category 5e MD-Series Patch Panels

Category 5e MD-Series Unscreened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 Category 6 component performance
- Modular blocks with built-in PCB-based jacks ensure Category 5e parameters
- Easy-to-read T568A/B wiring scheme color-coded label
- Port designation features along each port for quick identification
- Designed for optional snap-in cable management bar



ORDERING INFORMATION

PART NO.	DESCRIPTION
12458MD-C5E	12-Port Category 5e MD-Series Patch Panel, 1 RMU
24458MD-C5E	24-Port Category 5e MD-Series Patch Panel, 1 RMU
48458MD-C5E	48-Port Category 5e MD-Series Patch Panel, 2 RMU

Optional cable management accessories sold separately; refer to page F5.

MD-Series Patch Panels Designation Sheets

ORDERING INFORMATION

PART NO.	DESCRIPTION
DLF6-CC	Front 6-Port Designation Label Sheet
DLR6-WH	Back 6-Port Designation Label Sheet, White
SPL-XXX-CC	Pre-printed Sequentially Numbered, Front 6-Port Designation Label Sheet

Specify label color by substituting **CC** in P/N for the following: WH YE OR RD BU GN

Specify pre-print port count by substituting **XXX** in P/N for the following: **240**: 1-240 **480**: 1-480 **720**: 1-720

Compatible with Cat 6 and 5e MD Patch Panels only.



SPECIFICATIONS

ELECTRICAL

Insulation Resistance: Min 500 MOhm @ 100 Vdc

Dielectric Withstanding Voltage:

1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min

Spring Wire Contact Resistance: Max 20 mOhm

IDC Contact Resistance: Max 2.5 mOhm

CONSTRUCTION

Panel: Steel with corrosive resistant black finish

Connector:

Housing: High-impact thermoplastic, UL94V-0 fire-retardant

Spring Wire: Phosphor bronze alloy plated with min 50 µin of gold over 70 µin to 100 µin of nickel plating

IDC: 110 type, phosphor bronze alloy with 100-µin 100% tin alloy

DIMENSIONS

Panel: 19-in rack mountable

Depth:

Management Bar Installed: 6.0" (153 mm)

Management Bar Uninstalled: 1.5" (38 mm)

Height:

12458MD-C5E: 1 RMU (1.75" (44.45 mm))

24458MD-C5E: 1 RMU (1.75" (44.45 mm))

48458MD-C5E: 2 RMU (3.50" (88.90 mm))

MECHANICAL

Total Contact Force: Min 800 g for 8 wire leads with FCC compliant 8p8c plug

Retention: 50 N (11 lbf) for 60 ± 5 s

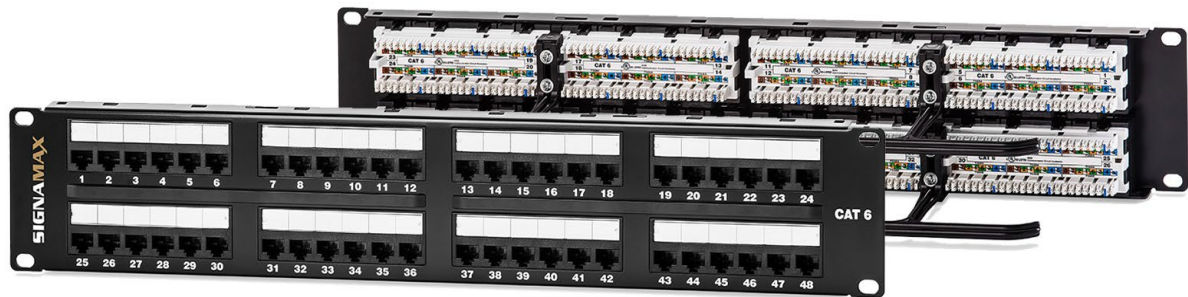
Mating Cycle Life: Min 750 cycles with FCC compliant 8p8c plug

Category 5e EC-Series Patch Panels

Category 5e EC-Series Unscreened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 Category 6 component performance
- Modular blocks with built-in PCB-based jacks ensure Category 5e parameters
- Hinged clear windows over each set of ports for quick identification
- Removable (screwed-on) rear cable management bar
- Standard termination with single-position or multi-pair 110 termination tools
- Easy-to-read T568A/B wiring scheme color-coded label



ORDERING INFORMATION

PART NO.	DESCRIPTION
24458EC-C5E	24-Port Category 5e EC-Series Patch Panel, 1 RMU
48458EC-C5E	48-Port Category 5e EC-Series Patch Panel, 3 RMU

REMOVABLE CABLE MANAGEMENT



HINGED LABELING WINDOW



SPECIFICATIONS

ELECTRICAL

Insulation Resistance: Min 500 MΩ @ 100 Vdc

Dielectric Withstanding Voltage:

1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min

Spring Wire Contact Resistance: Max 20 mΩ

IDC Contact Resistance: Max 2.5 mΩ

CONSTRUCTION

Panel: Steel with corrosive resistant black finish

Connector:

Housing: High-impact thermoplastic, UL94V-0 fire-retardant

Spring Wire: Phosphor bronze alloy plated with min 50 μin of gold over 70 μin to 100 μin of nickel plating

IDC: 110 type, phosphor bronze alloy with 100-μin 100% tin alloy

DIMENSIONS

Panel: 19-in rack mountable

Depth:

Management Bar Installed: 3.5" (88 mm)

Management Bar Uninstalled: 1.4" (35 mm)

Height:

24458EC-C5E: 1 RMU (1.75" (44.45 mm))

48458EC-C5E: 2 RMU (3.50" (88.90 mm))

MECHANICAL

Total Contact Force: Min 800 g for 8 wire leads with FCC compliant 8p8c plug

Retention: 50 N (11 lbf) for 60 ± 5 s

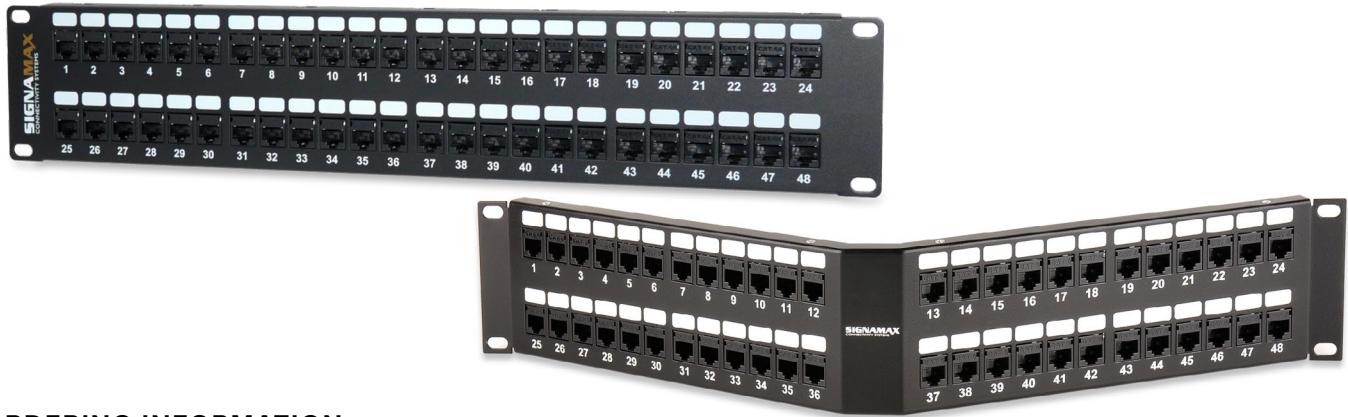
Mating Cycle Life: Min 750 cycles with FCC compliant 8p8c plug

Category 5e MT-Series Patch Panels

Category 5e MT-Series Unscreened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Improved wire retention and ease of termination with rear 110 type contacts
- Easy-to-read T568A/B wiring scheme color-coded label
- Angled design eliminates the need for cable management panels saving space
- Cold-rolled steel construction for maximum strength and durability
- Snap-in rear cable management bar



ORDERING INFORMATION

PART NO.	DESCRIPTION
24458-C5E	24-Port Category 5e MT-Series Patch Panel, 1 RMU
48458-C5E	48-Port Category 5e MT-Series Patch Panel, 2 RMU
72458-C5E	72-Port Category 5e MT-Series Patch Panel, 2 RMU
48458HD-C5E	48-Port Category 5e MT-Series Patch Panel, 1 RMU
ANGLED PATCH PANELS	
24458A-C5E	24-Port Category 5e MT-Series Angled Patch Panel 1 RMU
48458A-C5E	48-Port Category 5e MT-Series Angled Patch Panel, 2 RMU
72458A-C5E	72-Port Category 5e MT-Series Angled Patch Panel, 2 RMU

Panels are supplied as a kit, which includes the panel, black MT-Series screened jacks per port count, a cable management bar per RMU (straight only), and cable ties. For panels with other keystone jack color options contact Customer Service.

SPECIFICATIONS

ELECTRICAL

- Insulation Resistance:** Min 500 MOhm @ 100 Vdc
- Dielectric Withstanding Voltage:** 1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min
- Spring Wire Contact Resistance:** Max 20 mOhm
- IDC Contact Resistance:** Max 2.5 mOhm

CONSTRUCTION

- Panel:**
- Front:** Steel with corrosive resistant black finish
- Rear:** Steel
- Cable management bar:** Thermoplastic with steel brackets
- Jack:**
- Housing:** High-impact thermoplastic, UL94V-0 fire-retardant
- Contacts:** Phosphor bronze alloy plated with min 50 µin of gold over 70 µin to 100 µin of nickel plating
- IDC:** 110 type, phosphor bronze alloy with 100-µin 100% tin alloy

DIMENSIONS

- Panel:** 19-in rack mountable
- Depth:**
- Straight Panel:**
- Management Bar Installed:** 4.5" (114 mm)
- Management Bar Uninstalled:** 1.5" (38 mm)
- Angled Panel:** 4.0" (102 mm)
- Height:**
- 24458-C5E, 24458A-C5E: 1 RMU (1.75" (44.45 mm))
- 48458-C5E, 48458A-C5E: 2 RMU (3.50" (88.90 mm))
- 72458-C5E 72458A-C5E: 2 RMU (3.50" (88.90 mm))
- Jack:** 1.21" D x 0.67" W x 0.76" H (30.8 mm x 16.9 mm x 19.3 mm)

MECHANICAL

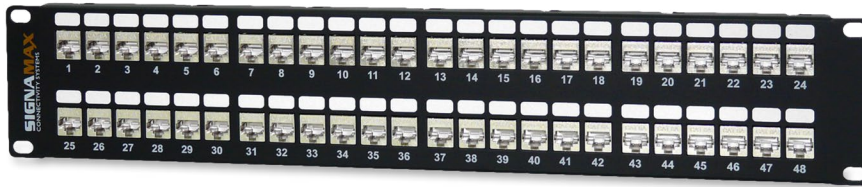
- Total Contact Force:** Min 800 g for 8 wire leads with FCC compliant 8p8c plug
- Retention:** 50 N (11 lbf) for 60 ± 5 s
- Mating Cycle Life:** Min 750 cycles with FCC compliant 8p8c plug

Category 5e MT-Series Patch Panels

Category 5e MT-Series Screened Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Overall solid-metal shielding design for 360-degree screen coverage
- Improved wire retention and ease of termination with rear 110 type contacts
- Angled design eliminates the need for cable management panels saving space
- Cold-rolled steel construction for maximum strength and durability
- Snap-in rear cable management bar



ORDERING INFORMATION

PART NO.	DESCRIPTION
24458S-C5E	24-Port Category 5e MT-Series Screened Patch Panel, 1 RMU
48458S-C5E	48-Port Category 5e MT-Series Screened Patch Panel, 2 RMU
72458S-C5E	72-Port Category 5e MT-Series Screened Patch Panel, 2 RMU
ANGLED PATCH PANELS	
24458SA-C5E	24-Port Category 5e MT-Series Screened Angled Patch Panel, 1 RMU
48458SA-C5E	48-Port Category 5e MT-Series Screened Angled Patch Panel, 2 RMU
72458SA-C5E	72-Port Category 5e MT-Series Screened Angled Patch Panel, 2 RMU

Panels are supplied as a kit, which includes the panel, MT-Series screened jacks per port count, a cable management bar per RMU (straight only), and cable ties. For panels with other keystone jack color options contact Customer Service.

SPECIFICATIONS

ELECTRICAL

- Insulation Resistance:** Min 500 MOhm @ 100 Vdc
- Dielectric Withstanding Voltage:**
 - 1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min
 - 1,500 Vdc/ac peak contact-to-panel @ 60 Hz for 1 min
- Spring Wire Contact Resistance:** Max 20 mOhm
- IDC Contact Resistance:** Max 2.5 mOhm

CONSTRUCTION

- Panel:**
 - Front:** Steel with corrosive resistant black finish
 - Rear:** Steel
 - Cable management bar:** Steel with nickel plating
 - Jack:**
 - Housing:** High-impact thermoplastic, UL94V-0 fire-retardant
 - Contacts:** Phosphor bronze alloy plated with min 50 µin of gold over 70 µin to 100 µin of nickel plating
 - IDC:** 110 type, phosphor bronze alloy with 100-µin 100% tin alloy

DIMENSIONS

- Panel:** 19-in rack mountable
- Depth:**
 - Straight Panel:**
 - Management Bar Installed:** 6.0" (153 mm)
 - Management Bar Uninstalled:** 1.5" (38 mm)
 - Angled Panel:** 4.0" (102 mm)
- Height:**
 - 24458S-C5E, 24458SA-C5E: 1 RMU (1.75" (44.45 mm))
 - 48458S-C5E, 48458SA-C5E: 2 RMU (3.50" (88.90 mm))
 - 72458S-C5E 72458SA-C5E: 2 RMU (3.50" (88.90 mm))
- Jack:** 1.67" D x 0.58" W x 1.02" H (42.4 mm x 14.6 mm x 25.8 mm)

MECHANICAL

- Total Contact Force:** Min 800 g for 8 wire leads with FCC compliant 8p8c plug
- Retention:** 50 N (11 lbf) for 60 ± 5 s
- Mating Cycle Life:** Min 750 cycles with FCC compliant 8p8c plug

Category 5e Wall-Mount Patch Panels

Category 5e Wall-Mount Jack Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance
- Front access to the modular sockets & 110 connectors
- Accessible from any direction for distribution cables
- Integrated for optional 89D-type mounting brackets
- Compatible with standard one-position & four-position 110 type tools



ORDERING INFORMATION

PART NO.	DESCRIPTION
6458JPL-C5E	6-Port Category 5e Jack Patch Panel, Flush-Mount
6458JPL-C5E-L	6-Port Category 5e Jack Patch Panel, Stand-off Legs
6458JPL-C5E-DR	6-Port Category 5e Jack Patch Panel, DIN-Rail Mount
12458JPL-C5E	12-Port Category 5e Jack Patch Panel, Flush-Mount
12458JPL-C5E-L	12-Port Category 5e Jack Patch Panel, Stand-off Legs
12458JPL-C5E-DR	12-Port Category 5e Jack Patch Panel, DIN-Rail Mount

Category 5e Wall-Mount Mini Patch Panels

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance specifications
- Available with an 89D bracket or hinged design allowing easier access to termination panels
- Modular blocks with built-in PCB-based jacks ensure Category 5e parameters
- Easy-to-read T568A/B wiring scheme color-coded label
- Standard termination with single-position or multi-pair 110 termination tools



ORDERING INFORMATION

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

SPECIFICATIONS

ELECTRICAL

- Insulation Resistance:** Min 500 MOhm @ 100 Vdc
- Dielectric Withstanding Voltage:** 1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min
- Spring Wire Contact Resistance:** Max 20 mOhm
- IDC Contact Resistance:** Max 2.5 mOhm

CONSTRUCTION

- JPL Housing:** High-impact thermoplastic, UL94V-0 fire-retardant
- Mini Panel:** Steel with corrosive resistant black finish
- 89D Bracket:** High-impact thermoplastic, UL94V-0 fire-retardant
- Connectors:**
- Housing:** High-impact thermoplastic, UL94V-0 fire-retardant
- Spring Wire:** Phosphor bronze alloy plated with min 50 µin of gold over 70 µin to 100 µin of nickel plating
- IDC:** 110 type, phosphor bronze alloy with 100-µin 100% tin alloy

DIMENSIONS

Jack Panels

- Depth:** Without Legs: 1.5" (38 mm); With Legs: 2.8" (70 mm); With DIN-Rail: 1.8" (46 mm)
- Width:** 6458JPL-C5E(-DR)/12458JPL-C5E-DR: 7.0" (177 mm); 6458JPL-C5E-L: 2.66" (210 mm); 12458JPL-C5E: 10.5" (266 mm); 12458JPL-C5E-L: 11.8" (300 mm)
- Height:** 2.7" (67 mm)

Mini Panels

- 12458M-C5E:** 2.38" D x 2.06" W x 10.0" H (60.5 mm x 52.3 mm x 254 mm)
- 12458MH-C5E:** 1.88" D (panel only)/ 3.69" D (overall) x 2.44" W x 10.0" H (47.8 mm (panel only)/ 47.8 mm (overall) x 17.0 mm x 254 mm)

MECHANICAL

- Total Contact Force:** Min 800 g for 8 wire leads with FCC compliant 8p8c plug
- Retention:** 50 N (11 lbf) for 60 ± 5 s
- Mating Cycle Life:** Min 750 cycles with FCC compliant 8p8c plug

Category 5e Feed-Thru Patch Panels

Category 5e Feed-Thru Patch Panels

KEY FEATURES

- Supports ANSI/TIA-568-C.2 channel performance
- Snap-in rear cable management bar with all high-density panels
- Screened version has overall 360-degree shielded coverage
- Available in standard and high density versions along with screened or unscreened versions
- Straight-through wiring compatible with any wiring scheme up to 8 conductors



ORDERING INFORMATION

PART NO.	DESCRIPTION
UNSCREENED HIGH-DENSITY PANELS	
24458FTHD-C5E	24-Port Category 5e Feed-Thru Unscreended Patch Panel, 1 RMU
48458FTHD-C5E	48-Port Category 5e Feed-Thru Unscreended Patch Panel, 2 RMU
72458FTHD-C5E	72-Port Category 5e Feed-Thru Unscreended Patch Panel, 2 RMU
48458FTHD1-C5E	48-Port Category 5e Feed-Thru Unscreended Patch Panel, 1 RMU
SCREENED HIGH-DENSITY PANELS	
24458SFTHD-C5E	24-Port Category 5e Feed-Thru Screened Patch Panel, 1 RMU
48458SFTHD-C5E	48-Port Category 5e Feed-Thru Screened Patch Panel, 2 RMU
72458SFTHD-C5E	72-Port Category 5e Feed-Thru Screened Patch Panel, 2 RMU
UNSCREENED STANDARD-DENSITY PANELS	
X458FT-C5E	Category 5e Feed-Thru Unscreended Patch Panel
SCREENED STANDARD-DENSITY PANELS	
X458FT-C5E	Category 5e Feed-Thru Screened Patch Panel

Specify port count by replacing the **X** with the following:

12: 12-Ports (1 RMU) **16:** 16-Ports (1 RMU) **24:** 24-Ports (2 RMU) **32:** 32-Ports (2 RMU) **48:** 48-Ports (3 RMU)

Panels are supplied as a kit, which includes the panel, unscreended or screended feed-thru couplers per port count and cable management bar for high-density only.

SPECIFICATIONS

ELECTRICAL

Insulation Resistance: min 500 MOhm @ 100 Vdc

Dielectric Withstanding Voltage:

1,000 Vdc/ac (1,500 Vdc/ac (screended)) peak contact-to-contact @ 60 Hz for 1 min

Spring Wire Contact Resistance: Max 20 mOhm

DC Contact Resistance: Max 0.1 mOhm

CONSTRUCTION

Panel:

Front: Steel with corrosive resistant black finish/ Rear: Nickel-plated steel

Cable management bar: High-impact thermoplastic

Jack:

Housing:

Unscreened: High-impact thermoplastic, Nickel-plated copper

Screended: Zinc-alloy, 100-µin nickel plated

Contacts: Phosphor bronze 5100W temper, min 50 µin of gold over 70 µin to 100 µin of nickel plated

DIMENSIONS

Panel: 19-in rack mountable

Height:

12458(S)FT-C5E/16458(S)FT-C5E/24458(S)FTHD-C5E/48458FTHD1-C5E:

1 RMU (1.75" (44.45 mm))

24458(S)FT-C5E/32458(S)FT-C5E/48458(S)FTHD-C5E/72458(S)FTHD-C5E:

2 RMU (3.50" (88.90 mm))

48458(S)FT-C5E: 3 RMU (5.25" (133.35 mm))

Jack: 1.16" D x 0.58" W x 0.64" H (29.5 mm x 14.7 mm x 25.8 mm)

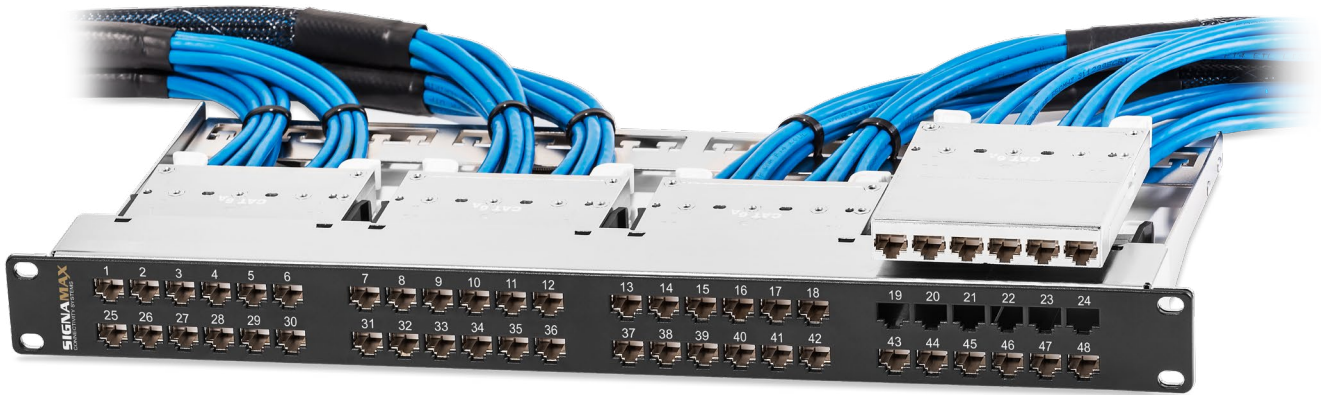
MECHANICAL

Total Contact Force: Min 100 g for FCC compliant 8p8c plug

Retention: Min 50 N (11 lbf) for 60 ± 5 s

Mating Cycle Life: Min 750 cycles for FCC compliant 8p8c plug

DC-Series Panels & Pre-Terminated Cassettes System



DC-Series Patch Panels

KEY FEATURES

- Factory terminated & tested to meet ISO/IEC 11801 standards
- Exceeds ANSI/TIA-568-C.2 component performance
- Convenient approach to allow quick deployment of any copper cabling project
- ETL verified 23/24 AWG cable
- Quick-release lever for effortless insertion & removal
- Available in Cat 6A screened & Cat 6 screened & unscreened versions
- Screened versions offers overall solid-metal shielding design for 360-degree coverage



ORDERING INFORMATION

PART NO.	DESCRIPTION
24DCC-4CT	24-Port 4-Cassette DC-Series Patch Panel, 1 RMU
48DCC-8CT	48-Port 8-Cassette DC-Series Patch Panel, 1 RMU

CABLE MANAGEMENT ACCESSORIES

CMB-PC1-1U-LH	1 RMU Waterfall Cable Management Bar with Label Holder
CMB-PC1-2U-LH	2 RMU Waterfall Cable Management Bar with Label Holder
CMB-250-P	Panel-Mount Cable Management Bar, Plastic Body
CMB-550-M	Panel-Mount Cable Management Bar, Metal Body
CMB-B1-B	Cable Management Bar Mounting Bracket, 1 RMU
CMB-B12-B	Cable Management Bar Mounting Bracket, 2 RMU

Cable management accessories sold separately.

DC-Series Panels & Pre-Terminated Cassettes System



DC-Series Pre-Terminated Cassette Assemblies

ORDERING INFORMATION

PART NO.	DESCRIPTION
CATEGORY 6A SCREENED	
6LDC-C6AS-CC- R-FX	Category 6A Screened DC-Series Pre-Terminated Cassette-to-Cassette with CMR Gray Cable
6LDC-C6AS-CJ- R-FX	Category 6A Screened DC-Series Pre-Terminated Cassette-to-Jacks with CMR Gray Cable
6LDC-C6AS-CB- R-FX	Category 6A Screened DC-Series Pre-Terminated Cassette-to-Blunt with CMR Gray Cable
CATEGORY 6 UNSCREENED	
6LDC-C6-CC- R-FX	Category 6 Unscreened DC-Series Pre-Terminated Cassette-to-Cassette with CMR Blue Cable
6LDC-C6-CJ- R-FX	Category 6 Unscreened DC-Series Pre-Terminated Cassette-to-Jacks with CMR Blue Cable
6LDC-C6-CP- R-FX	Category 6 Unscreened DC-Series Pre-Terminated Cassette-to-Plug with CMR Blue Cable
6LDC-C6-CB- R-FX	Category 6 Unscreened DC-Series Pre-Terminated Cassette-to-Blunt with CMR Blue Cable
CATEGORY 6 SCREENED	
6LDC-C6S-CC- R-FX	Category 6 Screened DC-Series Pre-Terminated Cassette-to-Cassette with CMR Gray Cable
6LDC-C6S-CJ- R-FX	Category 6 Screened DC-Series Pre-Terminated Cassette-to-Jacks with CMR Gray Cable
6LDC-C6S-CP- R-FX	Category 6 Screened DC-Series Pre-Terminated Cassette-to-Plug with CMR Gray Cable
6LDC-C6S-CB- R-FX	Category 6 Screened DC-Series Pre-Terminated Cassette-to-Blunt with CMR Gray Cable

Specify length by substituting **X** for (min) 10 ft. to (max) 295 ft. For plenum-rated (CMP) cable substitute **R** for **P** in P/N. For other cable jacket color options contact Customer Service.

DE-Series Panels & Pre-Terminated Cassettes System

DE-Series Patch Panels

KEY FEATURES

- Factory terminated & tested to meet ANSI/TIA-568-C.2 standards
- Exceeds ANSI/TIA-568-C.2 transmission performance
- Convenient approach to allow quick deployment of any copper cabling project
- CMR or CMP rated mesh sleeve and heat-shrink tubing
- Quick-release lever for effortless insertion & removal
- Labeling on both ends of cassette assemblies for simple identification



ORDERING INFORMATION

PART NO.	DESCRIPTION
24DE-4CT	24-Port 4-Cassette DE-Series Patch Panel, 1 RMU
48DE-4CT	48-Port 8-Cassette DE-Series Patch Panel, 2 RMU

CABLE MANAGEMENT ACCESSORIES	
CMB-PC1-1U	1 RMU Waterfall Cable Management Bar
CMB-PC1-2U	2 RMU Waterfall Cable Management Bar
CMB-PC1-1U-LH	1 RMU Waterfall Cable Management Bar with Label Holder
CMB-PC1-2U-LH	2 RMU Waterfall Cable Management Bar with Label Holder

Cable management accessories sold separately.



DE-Series Panels & Pre-Terminated Cassettes System



DE-Series Unscreened Pre-Terminated Cassette Assemblies

ORDERING INFORMATION

PART NO.	DESCRIPTION
CATEGORY 6A	
6LDE-C6A-CC-R-FX	Category 6A Unscreened DE-Series Pre-Terminated Cassette-to-Cassette with CMR Blue Cable
6LDE-C6A-CJ-R-FX	Category 6A Unscreened DE-Series Pre-Terminated Cassette-to-Jacks with CMR Blue Cable
6LDE-C6A-CB-R-FX	Category 6A Unscreened DE-Series Pre-Terminated Cassette-to-Blunt with CMR Blue Cable
CATEGORY 6	
6LDE-C6-CC-R-FX	Category 6 Unscreened DE-Series Pre-Terminated Cassette-to-Cassette with CMR Blue Cable
6LDE-C6-CJ-R-FX	Category 6 Unscreened DE-Series Pre-Terminated Cassette-to-Jacks with CMR Blue Cable
6LDE-C6-CP-R-FX	Category 6 Unscreened DE-Series Pre-Terminated Cassette-to-Plug with CMR Blue Cable
6LDE-C6-CB-R-FX	Category 6 Unscreened DE-Series Pre-Terminated Cassette-to-Blunt with CMR Blue Cable
CATEGORY 5e	
6LDE-C5E-CC-R-FX	Category 5e Unscreened DE-Series Pre-Terminated Cassette-to-Cassette with CMR Blue Cable
6LDE-C5E-CJ-R-FX	Category 5e Unscreened DE-Series Pre-Terminated Cassette-to-Jacks with CMR Blue Cable
6LDE-C5E-CP-R-FX	Category 5e Unscreened DE-Series Pre-Terminated Cassette-to-Plug with CMR Blue Cable
6LDE-C5E-CB-R-FX	Category 5e Unscreened DE-Series Pre-Terminated Cassette-to-Blunt with CMR Blue Cable

Specify length by substituting **X** for (min) 10 ft. to (max) 295 ft. For plenum-rated (CMP) cable substitute P for R in P/N. For other cable jacket color options contact Customer Service.

*Check out the Pre-Terminated Trunk Cable Assemblies for additional copper & fiber solutions. Refer to pages D24 & B30.

Field-Configurable Patch Panels

Key Features

- Meets EIA/ECA-310-E 19 in mounting standards
- Compatible with Signamax Keystone Modules to accommodate a multitude of applications
- Angled design eliminates the need for cable management panels saving space
- Standard-Density versions offer additional space between connectors for easy access
- Wall-Mount are available with an 89D bracket or hinged design for easier access to termination
- Removable rear cable management bar with all high-density panels

High-Density Rack-Mount Panels

ORDERING INFORMATION

PART NO.	DESCRIPTION
24U-HDMMP	24-Port Field-Configurable Patch Panel, 1 RMU
48U-HDMMP	48-Port Field-Configurable Patch Panel, 2 RMU
72U-HDMMP	72-Port Field-Configurable Patch Panel, 2 RMU
48U-HDMMP-1R	48-Port Field-Configurable Patch Panel, 1 RMU



Angled Rack-Mount Panels

ORDERING INFORMATION

PART NO.	DESCRIPTION
24U-HDMMP-A	24-Port Angled Field-Configurable Patch Panel, 1 RMU
48U-HDMMP-A	48-Port Angled Field-Configurable Patch Panel, 2 RMU
72U-HDMMP-A	72-Port Angled Field-Configurable Patch Panel, 2 RMU



Standard-Density Rack-Mount Panels

ORDERING INFORMATION

PART NO.	DESCRIPTION
12U-MMP	12-Port Std-Density Field-Configurable Patch Panel, 1 RMU
16U-MMP	16-Port Std-Density Field-Configurable Patch Panel, 1 RMU
24U-MMP	24-Port Std-Density Field-Configurable Patch Panel, 2 RMU
32U-MMP	32-Port Std-Density Field-Configurable Patch Panel, 2 RMU
48U-MMP	48-Port Std-Density Field-Configurable Patch Panel, 3 RMU



Wall-Mount Panels

ORDERING INFORMATION

PART NO.	DESCRIPTION
12U-M89	12-Port Wall-Mount Mini Patch Panel w/89D Bracket
12U-MH	12-Port Hinged Wall-Mount Mini Patch Panel

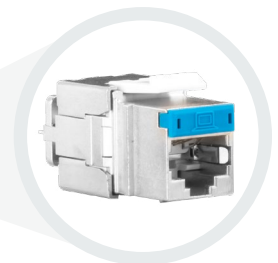


Pre-Terminated Trunk Cable Assemblies

Pre-Terminated Trunk Cable Assemblies

KEY FEATURES

- Meets ANSI/TIA-568-C.2 transmission performance
- 100% factory transmission tested to ensure permanent link specifications
- Individual cable leg labeling for quick identification on all 6 legs
- Installation protection provided by CMR or CMP rated mesh sleeve
- Heat-shrink tubing can be used as a cable pulling anchor point
- Compatible with Signamax field-configurable patch panels



For all color icon tabs please see page C13

ORDERING INFORMATION

PART NO.	DESCRIPTION
CATEGORY 6A SCREENED & UNSCREENED ASSEMBLIES	
6L-C6AS-JJ-R-FX	Category 6A F/UTP 6-Leg Trunk Cable, Jack-to-Jack, CMR, T568B, Blue cable
6L-C6AS-JB-R-FX	Category 6A F/UTP 6-Leg Trunk Cable, Jack-to-Open, CMR, T568B, Blue cable
6L-C6A-JJ-R-FX	Category 6A U/UTP 6-Leg Trunk Cable, Jack-to-Jack, CMR, T568B, Blue cable
6L-C6A-JB-R-FX	Category 6A U/UTP 6-Leg Trunk Cable, Jack-to-Open, CMR, T568B, Blue cable
CATEGORY 6 UNSCREENED & SCREENED ASSEMBLIES	
6L-C6-JJ-R-FX	Category 6 U/UTP 6-Leg Trunk Cable, Jack-to-Jack, CMR, T568B, Blue cable
6L-C6-JP-R-FX	Category 6 U/UTP 6-Leg Trunk Cable, Jack-to-Plug, CMR, T568B, Blue cable
6L-C6-JB-R-FX	Category 6 U/UTP 6-Leg Trunk Cable, Jack-to-Open, CMR, T568B, Blue cable
6L-C6S-JJ-R-FX	Category 6 F/UTP 6-Leg Trunk Cable, Jack-to-Jack, CMR, T568B, Blue cable
6L-C6S-JP-R-FX	Category 6 F/UTP 6-Leg Trunk Cable, Jack-to-Plug, CMR, T568B, Blue cable
6L-C6S-JB-R-FX	Category 6 F/UTP 6-Leg Trunk Cable, Jack-to-Open, CMR, T568B, Blue cable
CATEGORY 5e UNSCREENED & SCREENED ASSEMBLIES	
6L-C5E-JJ-R-FX	Category 5e U/UTP 6-Leg Trunk Cable, Jack-to-Jack, CMR, T568B, Blue cable
6L-C5E-JP-R-FX	Category 5e U/UTP 6-Leg Trunk Cable, Jack-to-Plug, CMR, T568B, Blue cable
6L-C5E-JB-R-FX	Category 5e U/UTP 6-Leg Trunk Cable, Jack-to-Open, CMR, T568B, Blue cable
6L-C5ES-JJ-R-FX	Category 5e F/UTP 6-Leg Trunk Cable, Jack-to-Jack, CMR, T568B, Blue cable
6L-C5ES-JP-R-FX	Category 5e F/UTP 6-Leg Trunk Cable, Jack-to-Plug, CMR, T568B, Blue cable
6L-C5ES-JB-R-FX	Category 5e F/UTP 6-Leg Trunk Cable, Jack-to-Open, CMR, T568B, Blue cable

Specify length by substituting **X** for (min) 10 ft. to (max) 295 ft. For plenum-rated (CMP) cable substitute **R** for **P** in P/N.

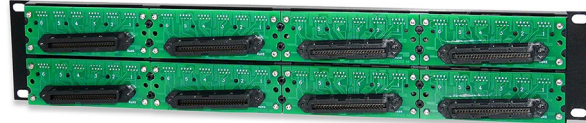
Cable is straight cut for left or right exit. Additional colors and staggered cut cables are available, contact customer service for special orders.

Modular-Telco Patch Panels

Category 5 Modular-Telco Patch Panels

KEY FEATURES

- Category 5 transmission performance to support 1000BASE-T or 100BASE-T
- Pre-configured in 24 & 48 port densities with T568B wiring scheme
- Pre-assembled 50 position (25 pair) male/female Telco style connectors
- Contact design provides enhanced plug to jack connection integrity



ORDERING INFORMATION

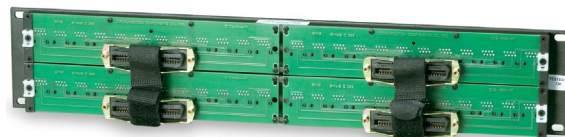
PART NO.	DESCRIPTION
GIGABIT ETHERNET PANELS	
24458-C5FB	24-Port Gigabit Modular-Telco Panel, Female Telco, 1 RMU
48458-C5FB	48-Port Gigabit Modular-Telco Panel, Female Telco, 2 RMU
FAST ETHERNET PANELS	
24454-C5FT	24-Port 10/100T/TX Modular-Telco Panel, Female Telco, 1 RMU
48454-C5FT	48-Port 10/100T/TX Modular-Telco Panel, Female Telco, 2 RMU

Refer to page E13 for 25-Pair Telco Assemblies & Adapter Cables.

Category 3 Modular-Telco Patch Panels

KEY FEATURES

- Category 3 transmission performance to support voice applications
- Pre-assembled 50 position (25 pair) male/female Telco style connectors
- Contact design provides enhanced plug to jack connection integrity
- Pre-configured in 24 & 48 port densities with T568B wiring scheme



ORDERING INFORMATION

PART NO.	DESCRIPTION
2-WIRE USCO RJ-11 PANELS	
X112-C3FU	Cat 3 2W Modular-Telco Panel, Pins 3-4, Female
X112-C3MU	Cat 3 2W Modular-Telco Panel, Pins 3-4, Male
4-WIRE USCO RJ-14/16 PANELS	
X114-C3MU	Cat 3 4W Modular-Telco Panel, Pins 2-5, Female
2 & 4-WIRE USCO RJ-45 PANELS	
X452-C3FU	Cat 3 2W Modular-Telco Panel, Pins 4-5, Female
X452-C3MU	Cat 3 2W Modular-Telco Panel, Pins 4-5, Male
X454-C3MU	Cat 3 4W Modular-Telco Panel, Pins 3-6, Female

Specify port count by replacing the **X** with the following: **24**: 24-Ports (1 RMU) **48**: 48-Ports (2 RMU)

Refer to page E13 for 25-Pair Telco Assemblies & Adapter Cables.

Coaxial Feed-Thru Patch Panels

F-Type Connector Feed-Thru Patch Panels

KEY FEATURES

- Meets EIA/ECA-310-E 19 in mounting standards
- Feed-thru bronze shell with 75 Ohm 1 or 3 GHz transmission performance
- Connectors & panel are galvanically isolated to eliminate stray currents



ORDERING INFORMATION

PART NO.	DESCRIPTION
HIGH-DENSITY PANELS	
24F3HD-FT	High-Density 24-Port 3 GHz F-Type Feed-Thru Patch Panel, 1 RMU
48F3HD-FT	High-Density 48-Port 3 GHz F-Type Feed-Thru Patch Panel, 2 RMU
STANDARD-DENSITY PANELS	
12F3-FT	12-Port 3 GHz F-Type Feed-Thru Patch Panel, 1 RMU
16F3-FT	16-Port 3 GHz F-Type Feed-Thru Patch Panel, 1 RMU
24F3-FT	24-Port 3 GHz F-Type Feed-Thru Patch Panel, 2 RMU
32F3-FT	32-Port 3 GHz F-Type Feed-Thru Patch Panel, 2 RMU
48F3-FT	48-Port 3 GHz F-Type Feed-Thru Patch Panel, 3 RMU

For 1 GHz performance remove the 3 from the P/N.

BNC Connector Feed-Thru Patch Panels

KEY FEATURES

- Meets EIA/ECA-310-E 19 in mounting standards
- Feed-thru adapter with 50 or 75 Ohm transmission performance
- Connectors & panel are galvanically isolated to eliminate stray currents



ORDERING INFORMATION

PART NO.	DESCRIPTION
HIGH-DENSITY PANELS	
24BNC75HD-FT	High-Density 24-Port 75 Ohm BNC Feed-Thru Patch Panel, 1 RMU
48BNC75HD-FT	High-Density 48-Port 75 Ohm BNC Feed-Thru Patch Panel, 2 RMU
STANDARD-DENSITY PANELS	
75-FT	12-Port 75 Ohm BNC Feed-Thru Patch Panel, 1 RMU
16BNC75-FT	16-Port 75 Ohm BNC Feed-Thru Patch Panel, 1 RMU
24BNC75-FT	24-Port 75 Ohm BNC Feed-Thru Patch Panel, 2 RMU
32BNC75-FT	32-Port 75 Ohm BNC Feed-Thru Patch Panel, 2 RMU
48BNC75-FT	48-Port 75 Ohm BNC Feed-Thru Patch Panel, 3 RMU

For 50 Ohm characteristic impedance remove 75 from the P/N.

110-Style Wiring Blocks

110 Wiring Blocks Kits

KEY FEATURES

- Supports ANSI/TIA-568-C.2 transmission performance
- Supports Voice and Data cross-connect and consolidation point applications
- Compatible with Signamax 110 patch cords
- Labeling designation feature offers quick identification with clear label holder
- Available in multiple pair configurations for Cat 6A, 6, & 5e solutions



ORDERING INFORMATION

PART NO.	DESCRIPTION
CATEGORY 6A KITS	
110WB6A-32PR-L	Category 6A 32-Pair Kit With Mounting Legs, (8) 4-Pair Connecting Blocks and 1 Designation Label
110WB6A-64PR-L	Category 6A 64-Pair Kit With Mounting Legs, (16) 4-Pair Connecting Blocks and 2 Designation Labels
110WB6A-192PR-L	Category 6A 192-Pair Kit With Mounting Legs, (48) 4-Pair Connecting Blocks and 6 Designation Labels
CATEGORY 6 KITS	
WBK6-48PRL4	Category 6 48-Pair Kit With Mounting Legs, (12) 4-Pair Connecting Blocks and 1 Designation Label
WBK6-96PRL4	Category 6 96-Pair Kit With Mounting Legs, (24) 4-Pair Connecting Blocks and 2 Designation Labels
WBK6-288PRL4	Category 6 288-Pair Kit With Mounting Legs, (72) 4-Pair Connecting Blocks and 6 Designation Labels
CATEGORY 5E KITS	
WBK-50PRL4	Cat 5e 50-Pair Kit With Mounting Legs, (10) 4-Pair, (2) 5-Pair Connecting Blocks and 1 Designation Label
WBK-100PRL4	Cat 5e 100-Pair Kit With Mounting Legs, (20) 4-Pair, (4) 5-Pair Connecting Blocks and 2 Designation Labels
WBK-300PRL4	Cat 5e 300-Pair Kit With Mounting Legs, (60) 4-Pair, (12) 5-Pair Connecting Blocks and 6 Designation Labels

For Wiring Blocks without Legs delete **L** from P/N.

SPECIFICATIONS

CONSTRUCTION

Assembly: High impact thermoplastic, UL94V-0 fire retardant

Label Holder: PVC

MECHANICAL

Transverse Extraction Force:

Min 5 N for solid conductor

Min 3 N for stranded conductor

Re-termination Allowance: Min 200 cycles

Wire Gauge: 22-26 AWG

DIMENSIONS

110WB6-48/50PR-L: 3.34" D x 10.7" W x 1.69" H (85.0 mm x 272.2 mm x 42.9 mm)

110WB6-96/100PR-L: 3.34" D x 10.7" W x 3.61" H (85.0 mm x 272.2 mm x 91.7 mm)

110WB6-288/300PR-L: 3.34" D x 10.7" W x 10.8" H (85.0 mm x 272.2 mm x 274.5 mm)

No Legs: 1.63" D x 8.50" W (41.4 mm x 215.9 mm) H-same as with legs.

110-Style Wiring Blocks

110 Wiring Blocks

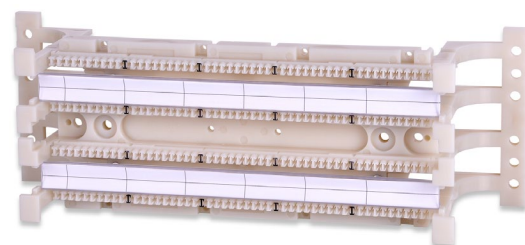
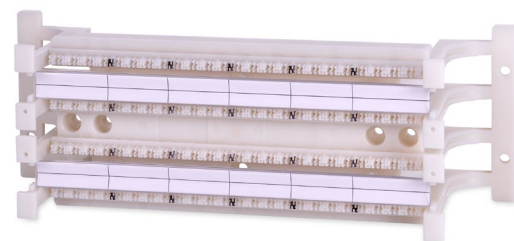
KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 transmission performance
- Supports Voice, Data, and Security cross-connect and consolidation point applications
- Mounting legs offer simple cable management by routing cable behind the block
- Labeling designation feature offers quick identification with clear window cover
- Available in multiple pair configurations for Cat 6, & 5e solutions
- Compatible with Signamax 110 patch cords & 110 IDC connecting blocks

ORDERING INFORMATION

PART NO.	DESCRIPTION
CATEGORY 6 BLOCKS	
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 Legs
110WB6-288PR-L	Category 6 288-Pair 110 Wiring Block With Mounting Legs
CATEGORY 5e BLOCKS	
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

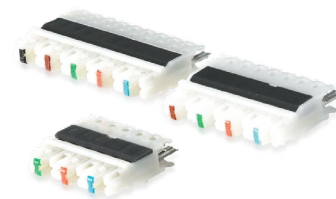
For Wiring Blocks without Legs delete **L** from P/N.



110-Style IDC Connecting Blocks

ORDERING INFORMATION

PART NO.	DESCRIPTION
CATEGORY 6 IDC CONNECTING BLOCKS	
110CB6-4PR	Category 6A/6 4-Pair 110 IDC Connecting Blocks (Pack of 10)
CATEGORY 5e IDC CONNECTING BLOCKS	
110CB-3PR	Category 5e 3-Pair 110 IDC Connecting Blocks (Pack of 10)
110CB-4PR	Category 5e 4-Pair 110 IDC Connecting Blocks (Pack of 10)
110CB-5PR	Category 5e 5-Pair 110 IDC Connecting Blocks (Pack of 10)



110-Style Patch Cords

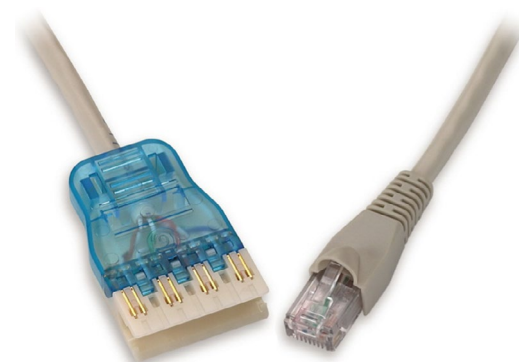
ORDERING INFORMATION

PART NO.	DESCRIPTION
C6C-4P-GY-LB	Category 6 4-Pair 110-to-110 Patch Cord, Gray Cable
C6C-4P-458B-GY-LB	Category 6 RJ-45 to 4-pair 110 Patch Cord, Gray Cable
C5E-4P-GY-LFB	Category 5e 4-Pair 110-to-110 Patch Cord, Gray Cable
C5E-4P-458B-GY-LFB	Category 5e RJ-45 to 4-pair 110 Patch Cord, Gray Cable

Specify cable length by substituting **L** in P/N for the following:

3: 3 ft **5:** 5 ft **7:** 7 ft **10:** 10 ft **15:** 15 ft **20:** 20 ft **25:** 25 ft

Additional custom colors, lengths or T568A wiring scheme are available, contact customer service for special orders.

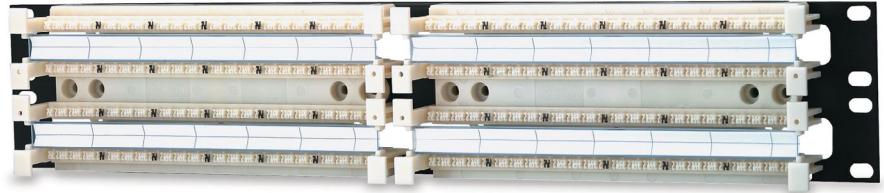
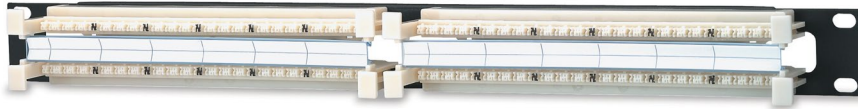


110-Style Wiring Blocks

Rack-Mount 110 Wiring Blocks and Kits

KEY FEATURES

- Meets EIA/ECA-310-E 19 in mounting standards
- Exceeds ANSI/TIA-568-C.2 transmission performance specifications
- Supports Voice, Data, and Security cross-connect and consolidation point applications
- Labeling designation feature offers quick identification with clear window cover
- Available in multiple pair configurations for Cat 6, & 5e solutions
- Compatible with Signamax 110 patch cords & 110 IDC connecting blocks



ORDERING INFORMATION

PART NO.	DESCRIPTION
CATEGORY 6 BLOCKS & KITS	
RM696PR	Category 6 96-Pair 110 Rack Mount Wiring Blocks
RM6192PR	Category 6 192-Pair 110 Rack Mount Wiring Blocks
RWBK6-96PR4	Category 6 96-Pair 110 Rack Mount Kit w/(24) 4-Pair Connecting Blocks
RWBK6-192PR4	Category 6 192-Pair 110 Rack Mount Kit w/(48) 4-Pair Connecting Blocks
CATEGORY 5e BLOCKS & KITS	
RM100PR	Category 5e 100-Pair 110 Rack Mount Wiring Blocks
RM200PR	Category 5e 200-Pair 110 Rack Mount Wiring Blocks
RWBK-100PR4	Category 5e 100-Pair 110 Rack Mount Kit w/(20) 4-Pair, (4) 5-Pair Connecting Blocks
RWBK-200PR4	Category 5e 200-Pair 110 Rack Mount Kit w/(40) 4-Pair, (8) 5-Pair Connecting Blocks

SPECIFICATIONS

CONSTRUCTION

Assembly: High impact thermoplastic, UL94V-0 fire retardant

Label Holder: PVC

Back Panel: Steel with corrosive resistant black finish

MECHANICAL

Transverse Extraction Force:

Min 5 N for solid conductor

Min 3 N for solid conductor

Mating Cycle Life: Min 200 cycles

Wire Gauge: 22-26 AWG

DIMENSIONS

Panel: 19-in rack mountable

Depth: 1.76" (44.70 mm)

Height:

RM696PR/ RWBK6-96PR4: 1 RMU (1.75" (44.45 mm))

RM6192PR/ RWBK6-192PR4: 2 RMU (3.50" (88.90 mm))

RM100PR/ RWBK-100PR4: 1 RMU (1.75" (44.45 mm))

RM200PR/ RWBK-200PR4: 2 RMU (3.50" (88.90 mm))

110-Style Wiring Blocks

Pre-Wired 110 Wiring Blocks

KEY FEATURES

- Meets ANSI/TIA-568-B.2 transmission performance specifications
- Pre-wired with 3 feet 25 pair Telco equipment cables
- Available with top or bottom entry and male or female Telco connectors
- Compatible with Signamax 110 patch cords & 110 IDC connecting blocks



ORDERING INFORMATION

PART NO.	DESCRIPTION
100PR-5MX03	100-Pair Block, 20x5-Pair Connecting Blocks with 4 Male Telco Connectors
100PR-4MX03	100-Pair Block, 20x4-Pair plus 4x5-Pair Connecting Blocks with 4 Male Telco Connectors
300PR-5MX03	300-Pair Block, 60x5-Pair Connecting Blocks with 12 Male Telco Connectors
300PR-4MX03	300-Pair Block, 60x4-Pair plus 4x5-Pair Connecting Blocks with 12 Male Telco Connectors

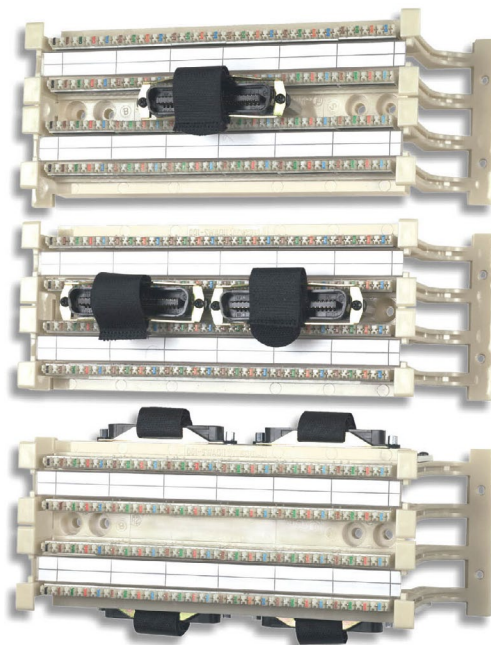
Specify cable entry by substituting **X** in P/N for the following: **T**: Top Entry **B**: Bottom Entry

For female Telco connectors substitute **M** for **F** in P/N. Additional custom lengths are available, contact customer service for special orders.

Pre-Connectorized 110 Wiring Blocks

KEY FEATURES

- Meets ANSI/TIA-568-B.2 transmission performance specifications
- Pre-Assembled with 25 Pair male or female Telco connectors
- Mounting legs offer simple cable management by routing cable behind the block
- Compatible with Signamax 110 patch cords & 110 IDC connecting blocks



ORDERING INFORMATION

PART NO.	DESCRIPTION
WM25PRL-1M4	25-Pair Block, 5x4-Pair plus 1x5-Pair Connecting Blocks with 1 Male Telco Connectors
WM50PRL-1M4	50-Pair Block, 10x4-Pair plus 2x5-Pair Connecting Blocks with 2 Male Telco Connectors
WM100PRL-1M4	100-Pair Block, 20x4-Pair plus 4x5-Pair Connecting Blocks with 4 Male Telco Connectors

For female Telco connectors substitute **F** for **M** in the P/N.

For Wiring Blocks without Legs delete **L** from P/N. 3 or 5-pair connecting blocks are available, contact customer service for special orders.

110-Style Wiring Block Accessories

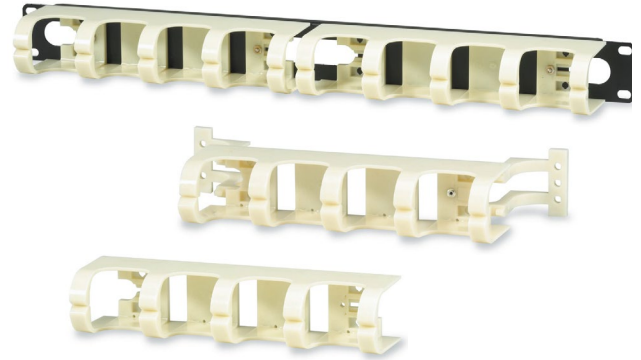
110-Style Cable Management Troughs

KEY FEATURES

- Rack-mountable & standard 110 footprint options available
- Split ring design for simple non-destructive cable installation

ORDERING INFORMATION

PART NO.	DESCRIPTION
110-CMT	110-Style Cable Management Trough
110-CMT-L	110-Style Cable Management Trough with Mounting Legs
110-RMCMT	Rack-Mount 110-Style Cable Management Trough, 1 RMU



Multi-Pair Termination Tool

KEY FEATURES

- No-slip grip & ergonomically designed handle
- Impact tool design to terminate with replaceable heads & blades

ORDERING INFORMATION

PART NO.	DESCRIPTION
1106-4PRT	4-Pair Impact Tool for Category 6A/6 110 Wiring Blocks
1106-4PRH	Replacement Head and Blade for 1106-4PRT Tool
110-4PRT	4-Pair Impact Tool for Category 6/5e 110 Wiring Blocks
110-4PRH	Replacement Head and Blade for 110-4PRT Tool
110-5PRT	5-Pair Impact Tool for Category 5e 110 Wiring Blocks
110-5PRH	Replacement Head and Blade for 110-5PRT Tool



Single Position Termination Tool

KEY FEATURES

- Single termination of all conductors while trimming excess
- Spring loaded & tension adjustable with replaceable blades

ORDERING INFORMATION

PART NO.	DESCRIPTION
T110	110-style 1-Position Impact Termination Tool
T110BL	110-style 1-Position Termination Blade
T66	66-style 1-Position Impact Termination Tool
T66BL	66-style 1-Position Termination Blade



Printable 110 Wiring Block Designation Labels

KEY FEATURES

- Easily prints with general purpose ink-jet or laser printers
- Downloadable templates on Signamax.com

ORDERING INFORMATION

PART NO.	DESCRIPTION
110WB-LS4PR-C	110 Wiring Block Designation Labels, 20 Sheets of 20 strips

For other colors replace **C** in the P/N for the following: WH YE OR RD BU GN



66-Style Wiring Blocks & Accessories

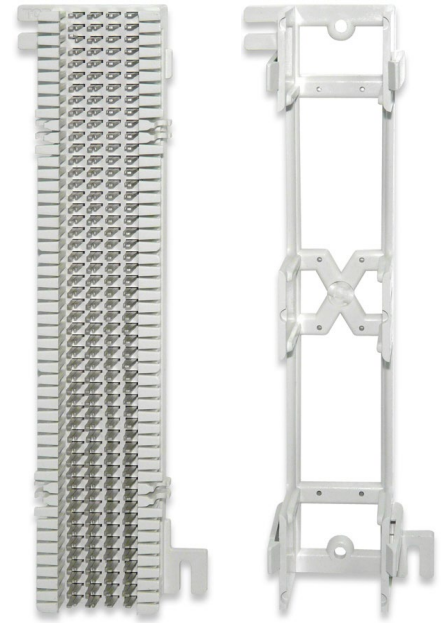
Pre-Assembled 66 Wiring Blocks

KEY FEATURES

- Meets ANSI/TIA-568-B.2 transmission performance specifications
- Pre-Assembled with 25 Pair male or female Telco connectors
- 89D bracket included for easy access to termination points and effortless mounting

ORDERING INFORMATION

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 Connector
66M1-50F	66 Block Wired to 2 Female 25-Pair Telco Connector



66 Wiring Block & Accessories

KEY FEATURES

- Meets ANSI/TIA-568-C.2 transmission performance specifications
- Ideal for Voice, Data and high-bandwidth applications
- Constructed with high-impact thermoplastic that is rated UL94V-0 fire-retardant
- Wide range of accessories like the 89D mounting bracket for customization

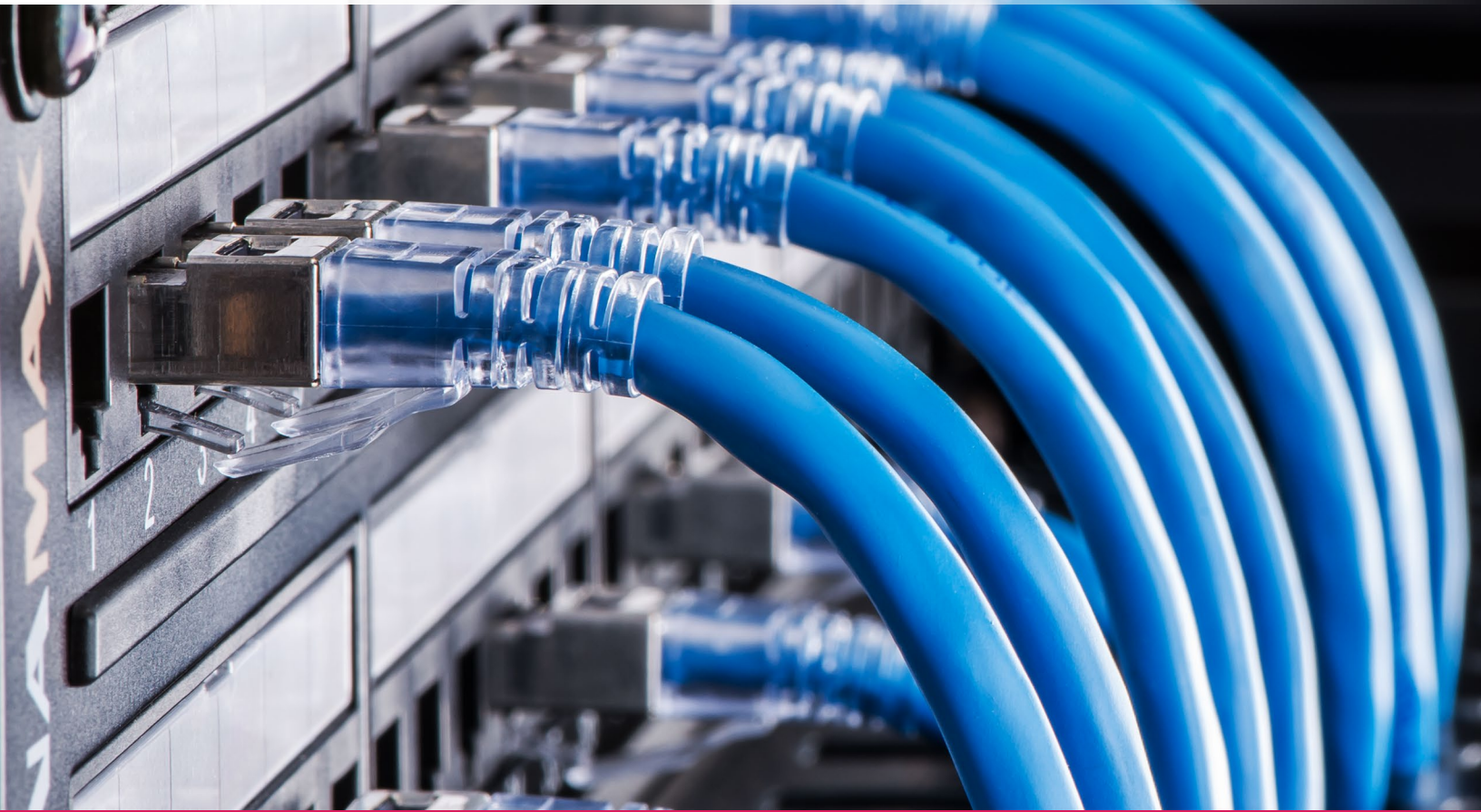
ORDERING INFORMATION

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

Additional cover colors are available, contact customer service for special orders.



PATCH CORDS



ACCOMMODATE THE FORESEEABLE MOVES, ADDS, AND CHANGES & ENHANCE THE PERFORMANCE OF THE STRUCTURED CABLING SYSTEM.

Connect With Us     & Stay Up-to-Date

SECTION E CONTENTS

CATEGORY 6A PATCH CORDS

E1 **Category 6A Patch Cords**
Screened 26 / 28 AWG

CATEGORY 6 PATCH CORDS

E3 **Category 6 Screened Patch Cords**
24 AWG Unscreened
Channel-Level Unscreened
28 AWG Unscreened
26 AWG Screened

CATEGORY 5e PATCH CORDS

E5 **Category 5e Patch Cords**
24 AWG Unscreened
Channel-Level Unscreened
24 AWG Screened

CROSSOVER PATCH CORDS

E6 **Crossover Patch Cords**
Category 6 / 5e

FIELD-INSTALLABLE MODULAR PLUGS

E7 **Field-Installable Modular Plugs**
Screened / Unscreened

TRUNK CABLES

E9 **Pre-Terminated Trunk Cable Assemblies**
Screened / Unscreened

APPLICATION SPECIFIC PATCH CORDS

E11 **110-Style Patch Cords & Plugs**
110-Style Patch Cords
110-Field-Installable Plugs

E12 **Industrial Grade Patch Cords & Plugs**
Industrial Grade Patch Cords
Industrial Grade Field-Installable Plug Assemblies

E13 **25-Pair Telco Cable Assemblies**
Category 5e 25-Pair Cable Assemblies
Category 3 25-Pair Cable Assemblies

TOOLS & ACCESSORIES

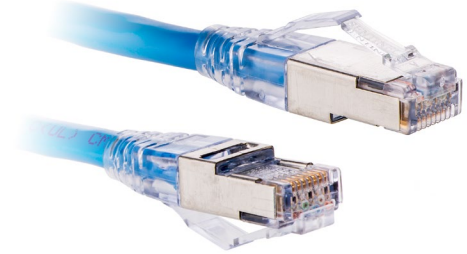
E14 **Tools & Accessories**
Modular Crimp Tool
Modular Plugs
Strain Relief Boots

Category 6A Screened Patch Cords

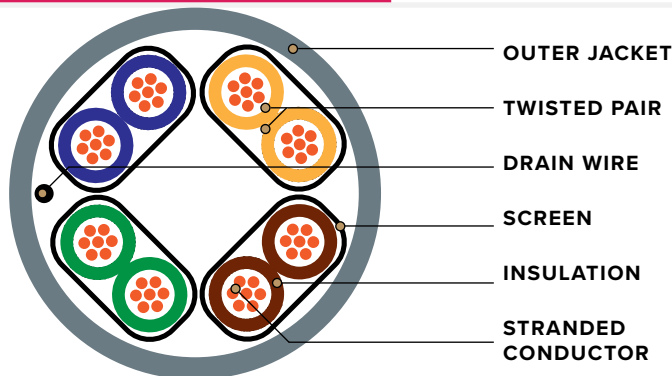
Category 6A Screened 26 AWG Patch Cords

KEY FEATURES

- Protection against ANEXT & EMI
- 100% factory tested per ANSI/TIA-568-C.2 to ensure category 6A component performance
- Supports performance of Power over Ethernet
- ETL verified screened 26 AWG stranded cable
- Seven standard lengths & six jacket colors
- Snagless design protects the plug latch & offers greater flexibility
- Meets IEEE 802.3an 10-Gigabit Ethernet transmission requirements



26 AWG CABLE CONSTRUCTION DETAIL



ORDERING INFORMATION

PART NO.	DESCRIPTION	LENGTH
C6AS-314CC-3FB	Category 6A Screened Patch Cord with Snag-Proof Boots	3 ft
C6AS-314CC-5FB	Category 6A Screened Patch Cord with Snag-Proof Boots	5 ft
C6AS-314CC-7FB	Category 6A Screened Patch Cord with Snag-Proof Boots	7 ft
C6AS-314CC-10FB	Category 6A Screened Patch Cord with Snag-Proof Boots	10 ft
C6AS-314CC-15FB	Category 6A Screened Patch Cord with Snag-Proof Boots	15 ft
C6AS-314CC-20FB	Category 6A Screened Patch Cord with Snag-Proof Boots	20 ft
C6AS-314CC-25FB	Category 6A Screened Patch Cord with Snag-Proof Boots	25 ft

Specify cable jacket color by substituting **CC** in P/N for the following: WH YE RD BU GY BK
 Custom cable lengths available, contact customer service.

SPECIFICATIONS

ELECTRICAL

- Insulation Resistance:** Min 500 MOhm @ 100 Vdc
- Dielectric Withstanding Voltage:**
 - 1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min
 - 1,500 Vdc/ac peak contact-to-panel @ 60 Hz for 1 min
- Contact Resistance:** Max 20 mOhm

MECHANICAL

- Retention:** 50 N (11 lbf) for 60 ± 5 s
- Mating Cycle Life:** Min 750 cycles
- Tensile Strength:** ≥ 20 N per wire

CONSTRUCTION

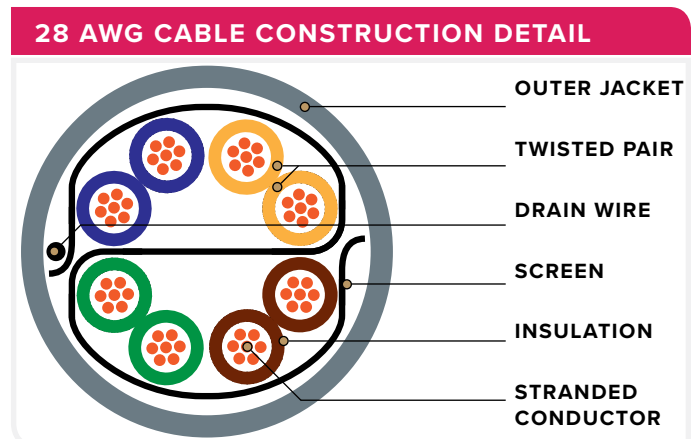
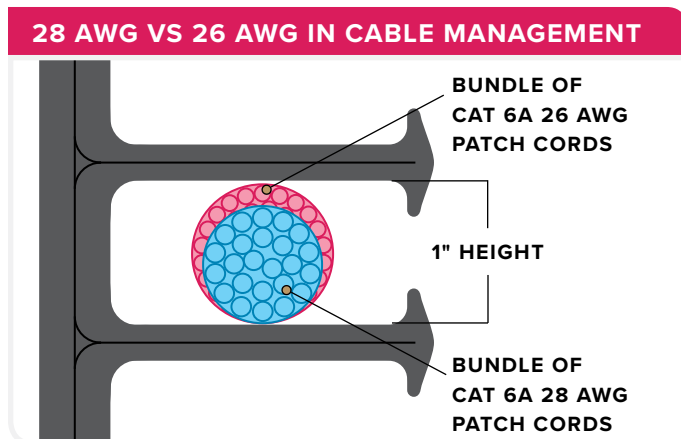
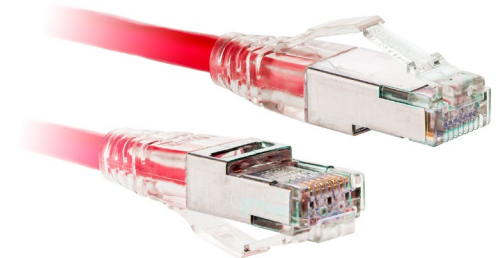
- Assembly:** 4 pairs, 7 strands 26 AWG, U/FTP
- Insulation:** High density polyethylene
- Jacket**
 - Dimensions:** Diameter < 0.25 in (6.35 mm)
 - Material:** Flame retardant PVC compound
- Plug Housing:** UL listed 94V-0 flame retardant polycarbonate
- IDC Blades:** Phosphor bronze, min 50 µin of gold plating over 100 µin of nickel in contact area
- Screen:** Brass alloy plated with 100 Iin of nickel

Category 6A Screened Patch Cords

Category 6A Screened 28 AWG Patch Cords

KEY FEATURES

- Slimmer diameter offers additional flexibility & easier routing through cable management
- Protection against ANEXT & EMI
- 100% factory tested per ANSI/TIA-568-C.2 to ensure category 6A component performance
- Supports performance of Power over Ethernet
- ETL verified screened 28 AWG stranded cable
- Snagless design protects the plug latch
- Meets IEEE 802.3an 10-Gigabit Ethernet transmission requirements



ORDERING INFORMATION

PART NO.	DESCRIPTION	LENGTH
C6AS-328CC-3FB	Category 6A Screened Patch Cord with Snag-Proof Boots	3 ft
C6AS-328CC-5FB	Category 6A Screened Patch Cord with Snag-Proof Boots	5 ft
C6AS-328CC-7FB	Category 6A Screened Patch Cord with Snag-Proof Boots	7 ft
C6AS-328CC-10FB	Category 6A Screened Patch Cord with Snag-Proof Boots	10 ft
C6AS-328CC-15FB	Category 6A Screened Patch Cord with Snag-Proof Boots	15 ft
C6AS-328CC-20FB	Category 6A Screened Patch Cord with Snag-Proof Boots	20 ft
C6AS-328CC-25FB	Category 6A Screened Patch Cord with Snag-Proof Boots	25 ft

Specify cable jacket color by substituting **CC** in P/N for the following: WH YE RD BU GY BK
 Custom cable lengths available, contact customer service.

SPECIFICATIONS

ELECTRICAL

- Insulation Resistance:** Min 500 MOhm @ 100 Vdc
- Dielectric Withstanding Voltage:**
 - 1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min
 - 1,500 Vdc/ac peak contact-to-panel @ 60 Hz for 1 min
- Contact Resistance:** Max 20 mOhm

MECHANICAL

- Retention:** 50 N (11 lbf) for 60 ± 5 s
- Mating Cycle Life:** Min 750 cycles
- Tensile Strength:** ≥ 20 N per wire

CONSTRUCTION

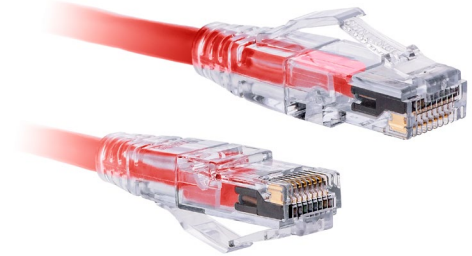
- Assembly:** 4 pairs, 7 strands 26 AWG, U/FTP
- Insulation:** High density polyethylene
- Jacket**
 - Dimensions:** Diameter < 0.25 in (6.35 mm)
 - Material:** Flame retardant PVC compound
- Plug Housing:** UL listed 94V-0 flame retardant polycarbonate
- IDC Blades:** Phosphor bronze, min 50 µin of gold plating over 100 µin of nickel in contact area
- Screen:** Brass alloy plated with 100 Iin of nickel

Category 6 Patch Cords

Category 6 24 AWG Unscreened Patch Cords

KEY FEATURES

- Supports the high-density demand applications
- 100% factory tested per ANSI/TIA-568-C.2 to ensure category 6 component performance
- ETL verified unscreened 24 AWG stranded cable
- Standard RJ-45 connectors with 50 µin gold plated contacts
- Nine standard lengths & eight jacket colors
- Snagless design protects the plug latch & offers greater flexibility



ORDERING INFORMATION

PART NO.	DESCRIPTION
C6C-114 CC -LFB	Category 6 24 AWG Unscreened Patch Cord with Snag-Proof Boots

Specify cable jacket color by substituting **CC** in P/N for the following: WH YE OR RD BU GN GY BK

Specify cable length by substituting **L** in P/N for the following:

3: 3 ft **5**: 5 ft **7**: 7 ft **10**: 10 ft **15**: 15 ft **20**: 20 ft **25**: 25 ft

P/N Example: C6C-114BU-3FB - Cat 6 Unscreened Patch Cord with Snag-Proof Boots, Blue, 3 ft
Custom cable lengths available, contact customer service.

Category 6 Channel-Level Unscreened Patch Cords

KEY FEATURES

- Supports the mid-level demand applications
- Supports ANSI/TIA-568-C.2 channel performance
- ETL verified unscreened 24 AWG stranded cable
- Standard RJ-45 connectors with 50 µin gold plated contacts
- Nine standard lengths & eight jacket colors
- Snagless design protects the plug latch & offers greater flexibility



ORDERING INFORMATION

PART NO.	DESCRIPTION
C6C-115 CC -LFB	Category 6 Channel-Level Unscreened Patch Cord with Snag-Proof Boots

Specify cable jacket color by substituting **CC** in P/N for the following: WH YE OR RD BU GN GY BK

Specify cable length by substituting **L** in P/N for the following:

1: 1 ft **3**: 3 ft **5**: 5 ft **7**: 7 ft **10**: 10 ft **14**: 14 ft **25**: 25 ft **50**: 50 ft **100**: 100 ft

P/N Example: C6C-115BU-3FB - Cat 6 Channel-Level Unscreened Patch Cord with Snag-Proof Boots, Blue, 3 ft
Custom cable lengths available, contact customer service.

SPECIFICATIONS

ELECTRICAL

Insulation Resistance: Min 500 MOhm @ 100 Vdc

Dielectric Withstanding Voltage:

1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min

1,500 Vdc/ac peak contact-to-panel @ 60 Hz for 1 min (screened only)

Contact Resistance: Max 20 mOhm

MECHANICAL

Retention: 50 N (11 lbf) for 60 ± 5 s

Mating Cycle Life: Min 750 cycles

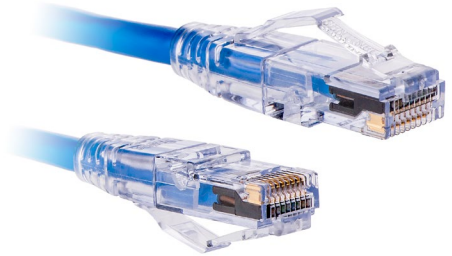
Tensile Strength: ≥ 20 N per wire

Category 6 Patch Cords

Category 6 28 AWG Unscreened Patch Cords

KEY FEATURES

- Supports the high-density demand applications
- 100% factory tested per ANSI/TIA-568-C.2 to ensure category 6 component performance
- ETL verified unscreened 24 AWG stranded cable
- Standard RJ-45 connectors with 50 µin gold plated contacts
- Nine standard lengths & eight jacket colors
- Snagless design protects the plug latch & offers greater flexibility



ORDERING INFORMATION

PART NO.	DESCRIPTION
C6C-128 CC -L F B	Category 6 28 AWG Unscreened Patch Cord with Snag-Proof Boots

Specify cable jacket color by substituting **CC** in P/N for the following: WH YE RD BU GY BK

Specify cable length by substituting **L** in P/N for the following:

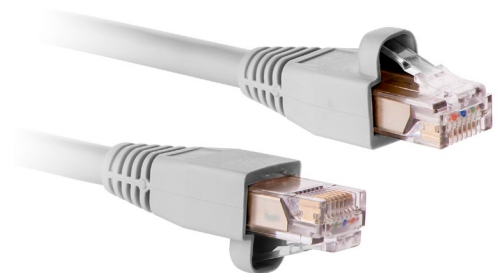
3: 3 ft **5**: 5 ft **7**: 7 ft **10**: 10 ft **15**: 15 ft **20**: 20 ft **25**: 25 ft

P/N Example: C6C-114**BU**-**3**F**B** - Cat 6 Unscreened Patch Cord with Snag-Proof Boots, Blue, 3 ft
Custom cable lengths available, contact customer service.

Category 6 26 AWG Screened Patch Cords

KEY FEATURES

- Protection against EM interference
- 100% factory tested per ANSI/TIA-568-C.2 to ensure category 6 component performance
- ETL verified screened 26 AWG stranded cable
- Enhanced plug-to-jack connection integrity
- Seven standard lengths & eight jacket colors
- Snagless design protects the plug latch & offers greater flexibility



ORDERING INFORMATION

PART NO.	DESCRIPTION
C6CS-314 CC -L F B	Category 6 26 AWG Screened Patch Cord with Snag-Proof Boots

Specify cable jacket color by substituting **CC** in P/N for the following: WH YE OR RD BU GN GY BK

Specify cable length by substituting **L** in P/N for the following:

3: 3 ft **5**: 5 ft **7**: 7 ft **10**: 10 ft **15**: 15 ft **20**: 20 ft **25**: 25 ft

P/N Example: C6CS-114**BU**-**3**F**B** - Cat 6 Screened Patch Cord with Snag-Proof Boots, Blue, 3 ft
Custom cable lengths available, contact customer service.

SPECIFICATIONS

CONSTRUCTION

Assembly: 4 pairs, 7 strands 26 AWG, ScTP/FTP

Insulation: High density polyethylene

Jacket

Dimensions: Diameter < 0.25 in (6.35 mm)

Material: Flame retardant PVC compound

Plug Housing: UL 94V-0 flame retardant polycarbonate

IDC Blades: Phosphor bronze, min 50 µin of gold plating over 100 µin of nickel in contact area

Screen: Brass alloy plated with 100 Iin of nickel

Category 5e Patch Cords

Category 5e Unscreened Patch Cords

KEY FEATURES

- Supports the high-density demand applications
- 100% factory tested per ANSI/TIA-568-C.2 to ensure category 5e component performance
- ETL verified unscreened 24 AWG stranded cable
- Standard RJ-45 connectors with 50 µin gold plated contacts
- Seven standard lengths & eight jacket colors
- Snagless design protects the plug latch & offers greater flexibility



ORDERING INFORMATION

PART NO.	DESCRIPTION
C5EC-114 CC -L F B	Category 5e Unscreened Patch Cord with Snag-Proof Boots

Specify cable jacket color by substituting **CC** in P/N for the following: WH YE OR RD BU GN GY BK

Specify cable length by substituting **L** in P/N for the following:

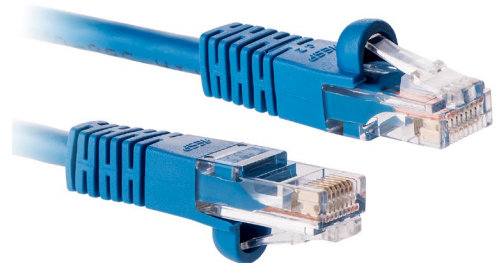
3: 3 ft **5**: 5 ft **7**: 7 ft **10**: 10 ft **15**: 15 ft **20**: 20 ft **25**: 25 ft

P/N Example: C5EC-114**BU**-**3**F**B** - Cat 5e Unscreened Patch Cord with Snag-Proof Boots, Blue, 3 ft
Custom cable lengths available, contact customer service.

Category 5e Channel-Level Unscreened Patch Cords

KEY FEATURES

- Supports the mid-level demand applications
- Supports ANSI/TIA-568-C.2 channel performance
- ETL verified unscreened 24 AWG stranded cable
- Standard RJ-45 connectors with 50 µin gold plated contacts
- Snagless design protects the plug latch & offers greater flexibility



ORDERING INFORMATION

PART NO.	DESCRIPTION
C5E-114 CC -L F B	Category 5e Channel-Level Unscreened Patch Cord with Snag-Proof Boots
C5E-121 CC -L F B	Category 5e Channel-Level Unscreened Patch Cord without Snag-Proof Boots

Specify cable jacket color by substituting **CC** in P/N for the following: WH YE OR RD BU GN GY BK

Specify cable length by substituting **L** in P/N for the following:

1: 1 ft **3**: 3 ft **5**: 5 ft **7**: 7 ft **10**: 10 ft **14**: 14 ft **25**: 25 ft **50**: 50 ft **100**: 100 ft

P/N Example: C5E-114**BU**-**3**F**B** - Cat 5e Channel-Level Unscreened Patch Cord with Snag-Proof Boots, Blue, 3 ft
Custom cable lengths available, contact customer service.

SPECIFICATIONS

ELECTRICAL

Insulation Resistance: Min 500 MΩ @ 100 Vdc

Dielectric Withstanding Voltage:

1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min

Contact Resistance: Max 20 mΩ

MECHANICAL

Retention: 50 N (11 lbf) for 60 ± 5 s

Mating Cycle Life: Min 750 cycles

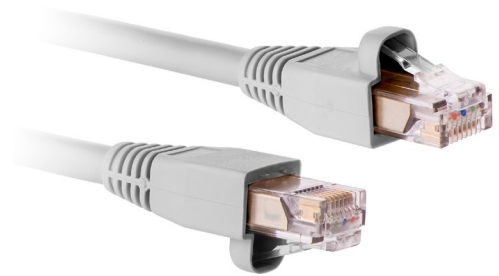
Tensile Strength: ≥ 20 N per wire

Category 5e Patch Cords

Category 5e Screened Patch Cords

KEY FEATURES

- Protection against EM interference
- 100% factory tested per ANSI/TIA-568-C.2 to ensure category 5e component performance
- ETL verified screened 24 AWG stranded cable
- Standard RJ-45 connectors with 50 µin gold plated contacts
- Seven standard lengths & eight jacket colors
- Snagless design protects the plug latch & offers greater flexibility



ORDERING INFORMATION

PART NO.	DESCRIPTION
C5ES-314 CC -L F B	Category 5e 24 AWG Screened Patch Cord with Snag-Proof Boots

Specify cable jacket color by substituting **CC** in P/N for the following:



Specify cable length by substituting **L** in P/N for the following:

3: 3 ft **5**: 5 ft **7**: 7 ft **10**: 10 ft **15**: 15 ft **20**: 20 ft **25**: 25 ft

P/N Example: C5ES-114**BU**-**3**F**B** - Cat 5e Screened Patch Cord with Snag-Proof Boots, Blue, 3 ft
Custom cable lengths available, contact customer service.

Crossover Patch Cords

KEY FEATURES

- Supports ANSI/TIA-568-C.2 channel performance
- Designed to connect up-link ports for hubs & switches
- ETL verified screened 24 AWG stranded cable
- Available with snagless designed boots
- Crossover of orange/green pairs (1-2/3-6)



ORDERING INFORMATION

PART NO.	DESCRIPTION
CATEGORY 6	
C6XB-112BK-3FB	Category 6 Crossover Cord with Black Cable, Yellow Boots
CATEGORY 5e	
C5EXB-112YE-LFB	Category 5e Crossover Cord with Yellow Cable, Black Boots
C5EX-112RD-LFB	Category 5e Crossover Cord with Red Cable, No Boots

Specify cable length by substituting **L** in P/N for the following:

3: 3 ft **5**: 5 ft **7**: 7 ft **10**: 10 ft **15**: 14 ft **25**: 25 ft

SPECIFICATIONS

ELECTRICAL

Insulation Resistance: Min 500 MOhm @ 100 Vdc

Dielectric Withstanding Voltage:

1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min

1,500 Vdc/ac peak contact-to-panel @ 60 Hz for 1 min (Screen only)

Contact Resistance: Max 20 mOhm

MECHANICAL

Retention: 50 N (11 lbf) for 60 ± 5 s

Mating Cycle Life: Min 750 cycles

Tensile Strength: ≥ 20 N per wire

CONSTRUCTION

Assembly: 4 pairs, 7 strands

Insulation: High density polyethylene

Jacket

Dimensions: Diameter < 0.25 in (6.35 mm)

Material: Flame retardant PVC compound

Plug Housing: UL 94V-0 flame retardant polycarbonate

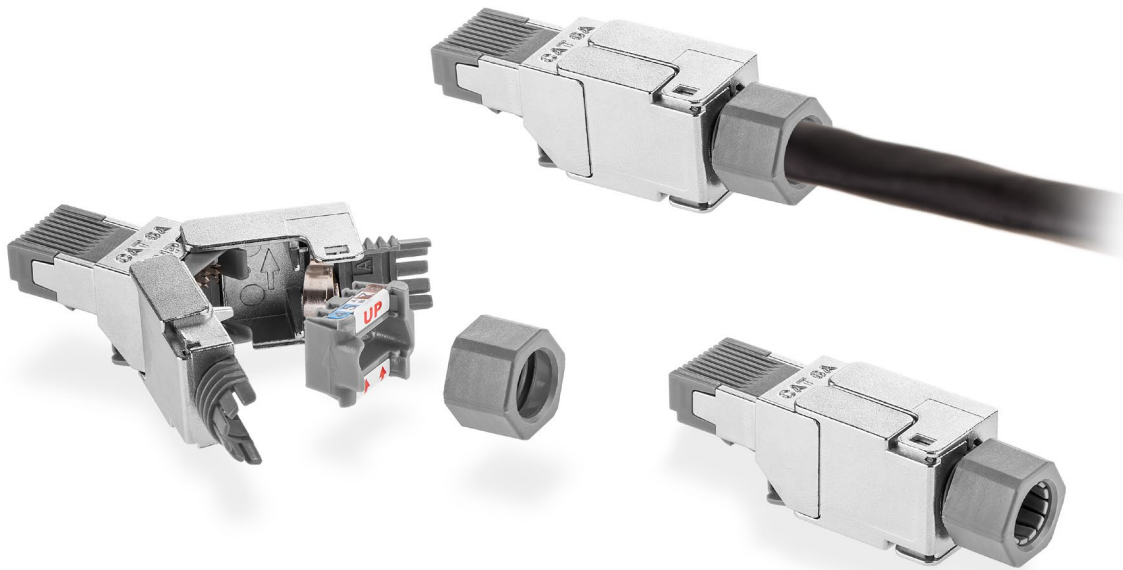
IDC Blades: Phosphor bronze, min 50 µin of gold plating over 100 µin of nickel in contact area

Screen: Brass alloy plated with 100 µin of nickel

Screened Field-Installable Modular Plugs

KEY FEATURES

- Guaranteed performance per ANSI/TIA-568-C.2 & ISO/IEC 11801 specifications
- Overall solid-metal shielding design for 360-degree screen coverage
- Compatible with all Signamax modular connectors
- Toolless field termination with PCB-based electrical design
- Compatible with solid and stranded conductors
- Easy-to-read T568A/B wiring scheme color-coded label



ORDERING INFORMATION

PART NO.	DESCRIPTION
KRJS45FT-C6A	Category 6A Screened Field-Installable Modular Plug
KRJS45FT-C6C	Category 6 Screened Field-Installable Modular Plug
KRJS45FT-C5E	Category 5e Screened Field-Installable Modular Plug

SPECIFICATIONS

ELECTRICAL

Insulation Resistance: Min 500 MOhm @ 100 Vdc

Dielectric Withstanding Voltage:

1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min

1,500 Vdc/ac peak contact-to-panel @ 60 Hz for 1 min (screened only)

MECHANICAL

Mating Cycle Life: Min 750 cycles

IDC Wire Gauge: 23 to 26 AWG

CONSTRUCTION

Housing: Zinc-alloy

Contact Pin: Phosphor bronze alloy plated with 50 µin of gold

IDC: 110 type, phosphor bronze alloy with 100 µin 100% tin alloy

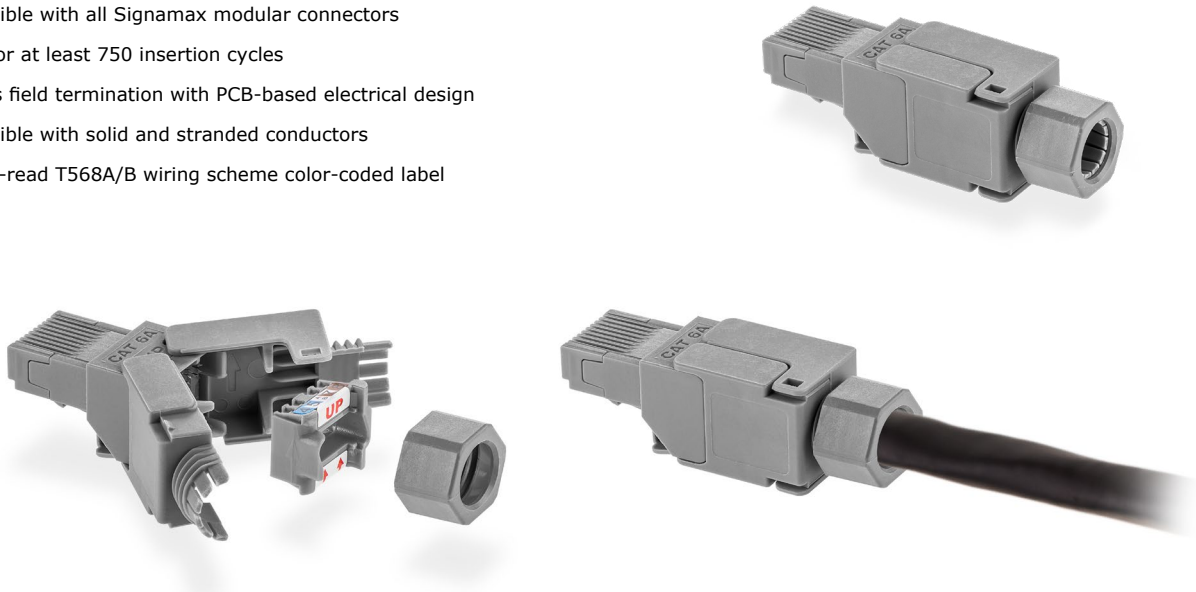
DIMENSIONS

1.96" L x 0.54" W x 0.59" H (49.7 mm x 13.8 mm x 15.0 mm)

Unscreened Field-Installable Modular Plugs

KEY FEATURES

- Guaranteed performance per ANSI/TIA-568-C.2 specifications
- Compatible with all Signamax modular connectors
- Rated for at least 750 insertion cycles
- Toolless field termination with PCB-based electrical design
- Compatible with solid and stranded conductors
- Easy-to-read T568A/B wiring scheme color-coded label



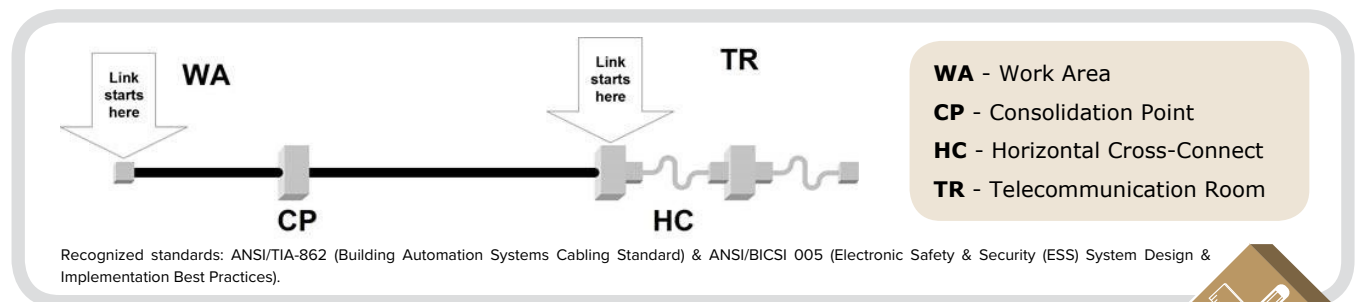
ORDERING INFORMATION

PART NO.	DESCRIPTION
KRJ45FT-C6A	Category 6A Unscreened Field-Installable Modular Plug
KRJ45FT-C6C	Category 6 Unscreened Field-Installable Modular Plug
KRJ45FT-C5E	Category 5e Unscreened Field-Installable Modular Plug

TECH TIP FOCUS: THE DIRECT ATTACH MODEL

THE WHAT, WHEN, & WHERE

Single-Connector Modified Permanent Link (also known as “direct-attach” model) represents scenarios in Horizontal cabling when the link services such field devices as, BMS controllers and sensors, security cameras, wireless access points, etc. In such scenarios, installation of a Work Area outlet is not feasible or not allowed because of safety reasons, so the distribution cable on the Work Area side is terminated by an 8P8C modular plug, like the SIGNAMAX Field-Installable Modular Plug, and connected directly into the field device. It is recommended to provide appropriate cable slack at the Work Area location.



Technical Support: techsupport@signamax.com or 1.800.446.2377



Pre-Terminated Trunk Cable Assemblies

Screened Pre-Terminated Trunk Cable Assemblies

KEY FEATURES

- Protection against EM interference
- Meets ANSI/TIA-568-C.2 transmission performance specifications
- 100% factory tested to ensure permanent link specifications
- Individual cable leg labeling for quick identification on all 6 legs
- Overall solid-metal shielding design for 360° screen
- Installation protection provided by CMR or CMP rated mesh sleeve
- Heat-shrink tubing can be used as a cable pulling anchor point
- Compatible with Signamax field-configurable patch panels



ORDERING INFORMATION

PART NO.	DESCRIPTION
CATEGORY 6A ASSEMBLIES	
6L-C6AS-JJ-R-FX	Category 6A F/UTP 6-Leg Trunk Cable, Jack-to-Jack, CMR, T568B, Blue cable
6L-C6AS-JB-R-FX	Category 6A F/UTP 6-Leg Trunk Cable, Jack-to-Open, CMR, T568B, Blue cable
CATEGORY 6 ASSEMBLIES	
6L-C6S-JJ-R-FX	Category 6 F/UTP 6-Leg Trunk Cable, Jack-to-Jack, CMR, T568B, Blue cable
6L-C6S-JP-R-FX	Category 6 F/UTP 6-Leg Trunk Cable, Jack-to-Plug, CMR, T568B, Blue cable
6L-C6S-JB-R-FX	Category 6 F/UTP 6-Leg Trunk Cable, Jack-to-Open, CMR, T568B, Blue cable
CATEGORY 5e ASSEMBLIES	
6L-C5ES-JJ-R-FX	Category 5e F/UTP 6-Leg Trunk Cable, Jack-to-Jack, CMR, T568B, Blue cable
6L-C5ES-JP-R-FX	Category 5e F/UTP 6-Leg Trunk Cable, Jack-to-Plug, CMR, T568B, Blue cable
6L-C5ES-JB-R-FX	Category 5e F/UTP 6-Leg Trunk Cable, Jack-to-Open, CMR, T568B, Blue cable

Specify length by substituting **X** for (min) 10 ft. to (max) 295 ft. For plenum-rated (CMP) cable substitute **R** for **P** in P/N.

Cable is straight cut for left or right exit. Additional colors and staggered cut cables are available, contact customer service for special orders.

SPECIFICATIONS

ELECTRICAL

- Insulation Resistance:** Min 500 MOhm @ 100 Vdc
- Dielectric Withstanding Voltage:**
 - 1,000 V_{dc/ac} peak contact-to-contact @ 60 Hz for 1 min
 - 1,500 V_{dc/ac} peak contact-to-panel @ 60 Hz for 1 min

MECHANICAL

- Mating Cycle Life:** Min 750 cycles
- IDC Wire Gauge:** 23 to 26 AWG

CONSTRUCTION

- Housing:** Zinc-alloy
- Contact Pin:** Phosphor bronze alloy plated with 50 µin of gold
- IDC:** 110 type, phosphor bronze alloy with 100 µin 100% tin alloy

DIMENSIONS

- 2.18" L x 0.54" W x 0.59" H (55.3 mm x 13.8 mm x 15.0 mm)

Pre-Terminated Trunk Cable Assemblies

Unscreened Pre-Terminated Trunk Cable Assemblies

KEY FEATURES

- Meets ANSI/TIA-568-C.2 transmission performance specifications
- 100% factory tested to ensure permanent link specifications
- Individual cable leg labeling for quick identification on all 6 legs
- Installation protection provided by CMR or CMP rated mesh sleeve
- Heat-shrink tubing can be used as a cable pulling anchor point
- Compatible with Signamax field-configurable patch panels



ORDERING INFORMATION

PART NO.	DESCRIPTION
CATEGORY 6A ASSEMBLIES	
6L-C6A-JJ-R-FX	Category 6A U/UTP 6-Leg Trunk Cable, Jack-to-Jack, CMR, T568B, Blue cable
6L-C6A-JB-R-FX	Category 6A U/UTP 6-Leg Trunk Cable, Jack-to-Open, CMR, T568B, Blue cable
CATEGORY 6 ASSEMBLIES	
6L-C6-JJ-R-FX	Category 6 U/UTP 6-Leg Trunk Cable, Jack-to-Jack, CMR, T568B, Blue cable
6L-C6-JP-R-FX	Category 6 U/UTP 6-Leg Trunk Cable, Jack-to-Plug, CMR, T568B, Blue cable
6L-C6-JB-R-FX	Category 6 U/UTP 6-Leg Trunk Cable, Jack-to-Open, CMR, T568B, Blue cable
CATEGORY 5e ASSEMBLIES	
6L-C5E-JJ-R-FX	Category 5e U/UTP 6-Leg Trunk Cable, Jack-to-Jack, CMR, T568B, Blue cable
6L-C5E-JP-R-FX	Category 5e U/UTP 6-Leg Trunk Cable, Jack-to-Plug, CMR, T568B, Blue cable
6L-C5E-JB-R-FX	Category 5e U/UTP 6-Leg Trunk Cable, Jack-to-Open, CMR, T568B, Blue cable

Specify length by substituting **X** for (min) 10 ft. to (max) 295 ft. For plenum-rated (CMP) cable substitute **R** for **P** in P/N.

Cable is straight cut for left or right exit. Additional colors and staggered cut cables are available, contact customer service for special orders.

SPECIFICATIONS

ELECTRICAL

Insulation Resistance: Min 500 MOhm @ 100 Vdc

Dielectric Withstanding Voltage:

1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min

MECHANICAL

Mating Cycle Life: Min 750 cycles

IDC Wire Gauge: 23 to 26 AWG

CONSTRUCTION

Housing: High impact thermoplastic, UL94V-0 fire retardant

Contact Pin: Phosphor bronze alloy plated with 50 µin of gold

IDC: 110 type, phosphor bronze alloy with 100 µin 100% tin alloy

DIMENSIONS

2.18" L x 0.54" W x 0.59" H (55.3 mm x 13.8 mm x 15.0 mm)

110-Style Patch Cords & Plugs

110-Style Patch Cords

KEY FEATURES

- 100% factory tested per ANSI/TIA-568-C.2 to ensure patch cord specifications
- RJ-45/110 patch cords are 4-pair configuration with T568B wiring scheme
- Seven standard lengths with additional options available through special order

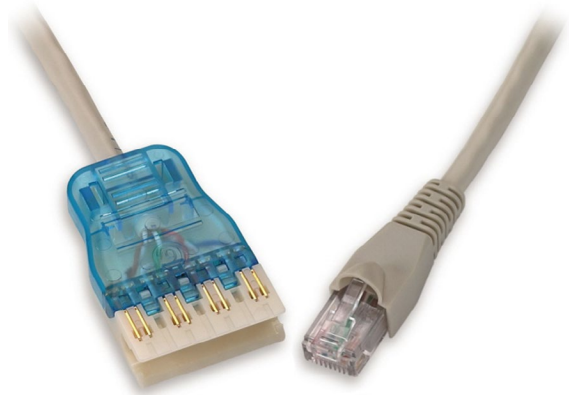
ORDERING INFORMATION

PART NO.	DESCRIPTION
CATEGORY 6	
C6C-4P-GY-LB	Category 6 4-Pair 110-to-110 Patch Cord, Gray
C6C-4P-458B-GY-LB	Category 6 RJ-45 to 4-pair 110 Patch Cord, Gray
CATEGORY 5e	
C5E-1P-GY-LFB	Category 5e 4-Pair 110-to-110 patch cord, Gray
C5E-1P-458B-GY-LFB	Category 5e RJ-45 to 4-pair 110 patch cord, Gray
C5E-2P-GY-LFB	Category 5e 4-Pair 110-to-110 patch cord, Gray
C5E-2P-458B-GY-LFB	Category 5e RJ-45 to 4-pair 110 patch cord, Gray
C5E-3P-GY-LFB	Category 5e 4-Pair 110-to-110 patch cord, Gray
C5E-3P-458B-GY-LFB	Category 5e RJ-45 to 4-pair 110 patch cord, Gray
C5E-4P-GY-LFB	Category 5e 4-Pair 110-to-110 patch cord, Gray
C5E-4P-458B-GY-LFB	Category 5e RJ-45 to 4-pair 110 patch cord, Gray

Specify cable length by substituting **L** in P/N for the following:

3: 3 ft **5:** 5 ft **7:** 7 ft **10:** 10 ft **15:** 15 ft **20:** 20 ft **25:** 25 ft

Additional custom colors, lengths or T568A wiring scheme are available, contact customer service for special orders.



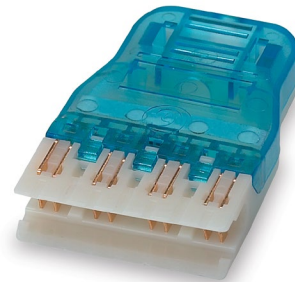
110-Field-Installable Plugs

KEY FEATURES

- Exceeds ANSI/TIA-568-C.2 component performance specifications
- Polarized design ensures proper connection
- Constructed to accommodate 24 to 26 AWG stranded cable
- Snap-together feature eliminates the need for termination tools or to crimp

ORDERING INFORMATION

PART NO.	DESCRIPTION
CATEGORY 6	
1106-4PRP	Category 6 4-Pair Field-Installable 110 Plug
CATEGORY 5e	
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



Industrial Grade Patch Cords & Plugs

Industrial Grade Patch Cords

KEY FEATURES

- 100% factory tested per ANSI/TIA-568-C.2 to ensure performance
- Rated for at least 750 plug insertions for high level system reliability
- IP67-rated industrial-grade plugs with durable flexible cable strain relief for industrial use
- Equipped with caps to prevent exposure of unplugged connectors



ORDERING INFORMATION

PART NO.	DESCRIPTION
CATEGORY 6	
C6AS-116IG-LFB	Category 6A Screened Industrial Plug-to-Industrial Plug Patch Cord
C6AS-117IG-LFB	Category 6A Screened Industrial Plug-to-RJ-45 Patch Cord
CATEGORY 6	
C6-116IG-LFB	Category 6 Unscreened Industrial Plug-to-Industrial Plug Patch Cord
C6-117IG-LFB	Category 6 Unscreened Industrial Plug-to-RJ-45 Patch Cord
C6S-116IG-LFB	Category 6 Screened Industrial Plug-to-Industrial Plug Patch Cord
C6S-117IG-LFB	Category 6 Screened Industrial Plug-to-RJ-45 Patch Cord
CATEGORY 5e	
C5E-116IG-LFB	Category 5e Unscreened Industrial Plug-to-Industrial Plug Patch Cord
C5E-117IG-LFB	Category 5e Unscreened Industrial Plug-to-RJ-45 Patch Cord
C5ES-116IG-LFB	Category 5e Screened Industrial Plug-to-Industrial Plug Patch Cord
C5ES-117IG-LFB	Category 5e Screened Industrial Plug-to-RJ-45 Patch Cord

Specify cable length by substituting **L** in P/N for the following:

3: 3 ft **5:** 5 ft **7:** 7 ft **10:** 10 ft **15:** 15 ft **20:** 20 ft **25:** 25 ft

Additional custom lengths are available, contact customer service for special orders.

Industrial Grade Field-Installable Plug Assemblies

ORDERING INFORMATION

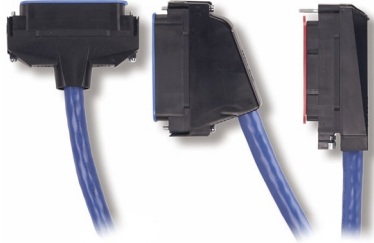
PART NO.	DESCRIPTION
KRJ45IG-C6	Category 6 Screened Field-Installable Industrial Plug
KRJS45IG-C6	Category 6 Screened Field-Installable Industrial Plug
KRJ45IG-C5E	Category 5e Screened Field-Installable Industrial Plug
KRJS45IG-C5E	Category 5e Screened Field-Installable Industrial Plug



25-Pair Telco Cable Assemblies

KEY FEATURES

- Designed for use with voice and low speed data applications
- Available in multiple configurations with 50 µin gold plated contacts
- Both riser and plenum versions are available
- Telco connector hoods are available in 90°, 110°, or 180° cable exit



Category 5e 25-Pair Cable Assemblies

ORDERING CONFIGURATION

ASSEMBLY TYPE	CABLE TYPE	CONNECTOR END 1	CONNECTOR END 2	CABLE LENGTH	UNIT OF MEASURE
C525	X R: Riser P: Plenum	XX	XX	XXX	X
		M9: Male 90° Exit	M9: Male 90° Exit	001-999	F: Feet
		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 End			

Category 3 25-Pair Cable Assemblies

ORDERING CONFIGURATION

ASSEMBLY TYPE	CABLE TYPE	CONNECTOR END 1	CONNECTOR END 2	CABLE LENGTH	UNIT OF MEASURE
C325	X R: Riser P: Plenum	XX	XX	XXX	X
		M9: Male 90° Exit	M9: Male 90° Exit	001-999	F: Feet
		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			

SPECIFICATIONS

ELECTRICAL

- Insulation Resistance:** Min 500 MOhm @ 100 Vdc
- Dielectric Withstanding Voltage:** 1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min
- Contact Resistance:** Max 20 mOhm

MECHANICAL

- Retention:** 50 N (11 lbf) for 60 ± 5 s
- Mating Cycle Life:** Min 750 cycles
- Tensile Strength:** ≥ 20 N per wire

CONSTRUCTION

- Assembly:** 4 pairs, 7 strands 24 AWG, UTP
- Insulation:** High density polyethylene
- Jacket:**
 - Dimensions:** Diameter < 0.25 in (6.35 mm)
 - Plug Housing:** UL 94V-0 flame retardant polycarbonate
 - IDC Blades:** Phosphor bronze, min 50 µin of gold plating over 100 µin of nickel in contact area

Tools & Accessories

Modular Crimp Tool

KEY FEATURES

- Cuts, strips, & crimps modular plugs on both round or flat cables
- Accurate alignment maintained with ratchet design

ORDERING INFORMATION

PART NO.	DESCRIPTION
TRJ45P	RJ-12/45 (8P/6P) Dual Crimp Tool, Ratchet Type



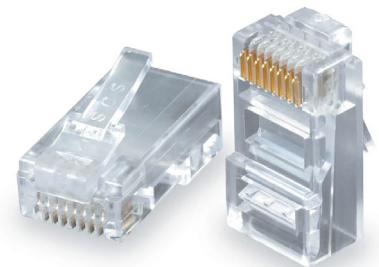
Modular Plugs

KEY FEATURES

- Housing: UL94V-2 or UL94V-0 Polycarbonate
- Contacts: 50-µin gold over 50-µin nickel plated phosphor bronze

ORDERING INFORMATION

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



Strain Relief Boots

KEY FEATURES

- Maintains proper cable bend radius ensuring performance
- Protects connector from damage

ORDERING INFORMATION

PART NO.	DESCRIPTION
S45SP-C/100	Snag-Proof Strain Relief Boots (Pack of 100)

Specify color by substituting **C** in the P/N with:





SUPPORT INFRASTRUCTURE

Tame the tangles with the right support, in open spaces, in the rack, around the corner, or overhead, the right components make infrastructure management manageable.

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Equipment Racks & Accessories



Two-Post Equipment Rack

KEY FEATURES

- Meets EIA/ECA-310-E 19 in mounting standards
- #10-32 tapped mounting holes on front and rear rails
- Constructed with high-strength 6063 T6 aluminum with black anti-corrosive finish
- Perforated holes for floor anchoring
- 24 RMU (48") Equipment Rack offers 500 lb (227 kg) load capacity
- 45 RMU (84") Equipment Rack offers 800 lbs (363 kg) load capacity

ORDERING INFORMATION

PART NO.	DESCRIPTION
RR-84B	45 RMU (84") Equipment Rack
RR-48B	24 RMU (48") Equipment Rack

Vertical Cable Management

KEY FEATURES

- Mountable directly on the rack
- Easy to remove panels for routine maintenance or changes
- Lightweight design offered with front & back wiring ducts or front only wiring ducts

ORDERING INFORMATION

PART NO.	DESCRIPTION
VCM-84FR-C	Center Mount Vertical Cable Management, Wiring Duct Front and Back
VCM-84FR-S	Side Mount Vertical Cable Management, Wiring Duct Front and Back
VCM-84F-S	Side Mount Vertical Cable Management, Wiring Duct Front Only

SPECIFICATIONS

CONSTRUCTION

RR-XB: Extruded 6063 T6 aluminum with electrostatic micro-finish paint

VCM-84F:

Ducts & Covers: High-impact thermoplastic, UL94V-0 fire-retardant

Brackets: Steel with corrosive resistant black finish

MECHANICAL

Load Capacity:

RR-84B: 800 lb (363 kg)

RR-48B: 500 lb (227 kg)

DIMENSIONS

External:

RR-84B: 14" D x 22" W x 7.0" H (399 mm x 565 mm x 2134 mm)

RR-48B: 14" D x 22" W x 4.0" H (399 mm x 565 mm x 1219 mm)

Internal:

RR-84B: 3.0" D x 17.6" W x 79" H (76 mm x 448 mm x 1999 mm)

RR-48B: 3.0" D x 17.6" W x 42" H (76 mm x 448 mm x 1067 mm)

VCM-84FR-X: 10" D x 4.0" W x 83" H (254 mm x 102 mm x 2108 mm)

VCM-84F-S: 5.0" D x 4.0" W x 83" H (127 mm x 102 mm x 2108 mm)

Equipment Racks & Accessories

Top-of-Rack Panel Enclosures

KEY FEATURES

- Designed to maximize the space in the cabinet by giving 2 to 4 RMU's of space above for passive equipment
- Customizable with four mounting options & two mounting depths
- Captive nuts provide flexibility in assembling and reliability
- Removable cable "waterfall" stage with four guides to support cable bend radii
- Removable snap-on cover for patch cord protection
- Compatible with all Signamax 19-in standard patch panels



ORDERING INFORMATION

TYPE	MODEL	CAPACITY	FLANGES	COVER	WATERFALLS	MOUNTING OPTIONS
DC-TOR	01	X	X	X	X	X
		2U: 2 RMU	0: None	0: None	0: None	0: None
		4U: 4 RMU	1: 5" Deep	1: Cover	1: Waterfalls	1: Wire basket tray (Spider Brackets)
			2: 6" Deep			2: Runway, 1.25" Stringers (U Brackets)
						3: Runway, 1.50" Stringers (U Brackets)
						4: Flange/Beam (Clamp Brackets)

SPECIFICATIONS

CONSTRUCTION

Frame, Stage, Brackets, & Mounting Fixtures:

Steel with corrosive resistant black finish

Cover: Aluminum with black finish

Fasteners: Steel/Stainless steel with zinc plating & black anodizing

DIMENSIONS

Unit (without bracket):

DC-TOR01-2U: 4.9" D x 23.6" W x 7.5" H (125 mm x 600 mm x 190 mm)

DC-TOR01-4U: 4.9" D x 23.6" W x 11" H (125 mm x 600 mm x 280 mm)

Bracket Depth: 5.0" (125 mm) or 6.0" (153 mm)

Vertical Level:

DC-TOR01-2U: up to ± 4 in (100 mm)

DC-TOR01-4U: up to ± 7.5 in (100 mm)

Horizontal Level: up to ± 0.6 in (15 mm)

Racks-Mount Accessories

Rack-Mount Shelves

KEY FEATURES

- Meets EIA/ECA-310-E 19 in mounting standards
- Available in cantilevered or center weight styles
- Designed to offer a maximum 50 lbs capacity in either solid or ventilated bottoms

ORDERING INFORMATION

PART NO.	DESCRIPTION
ERB-14CS	Cantilever Solid Bottom Rack-Mount Shelf
ERB-14C	Cantilever Vented Bottom Rack-Mount Shelf
ERB-18CS	Cantilever Offset Solid Bottom Rack-Mount Shelf
ERB-18C	Cantilever Offset Vented Bottom Rack-Mount Shelf
ERB-19CS	Center Weight Solid Bottom Rack-Mount Shelf
ERB-19C	Center Weight Vented Bottom Rack-Mount Shelf



Rack-Mount Power Taps

KEY FEATURES

- Meets EIA/ECA-310-E 19 in mounting standards
- Front & rear access outlets with integrated circuit breakers
- Equipped with 90° mounting brackets for optional side-mounting
- Designed with 6 ft cord, NEMA plug & adjustable power cord angle

ORDERING INFORMATION

PART NO.	DESCRIPTION
RPT-040820CB	Rack-Mount Power Tap with 4 front/ 8 rear NEMA 5-20R/P Sockets and Cord
RPT-120015CB	Rack-Mount Power Tap with 12 front NEMA 5-15R/P Sockets and Cord



Blank Filler Panels

KEY FEATURES

- Meets EIA/ECA-310-E 19 in mounting standards
- Constructed with 16-gauge steel for a clean solution to a rack's future growth

ORDERING INFORMATION

PART NO.	DESCRIPTION
BFP-19175	1 RMU Blank Filler Panel
BFP-19350	2 RMU Blank Filler Panel
BFP-19525	3 RMU Blank Filler Panel
BFP-19700	4 RMU Blank Filler Panel

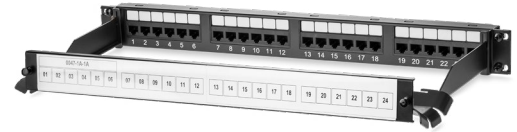


Cable Management

Waterfall Cable Management Bars

KEY FEATURES

- Front patch cord management with bend radius support
- Compatible with all CEA-310-E 19-in mounting hardware
- Integrated for an optional label display for quick identification of the rack equipment
- Slide-under design allows quick installation without the removal of existing equipment



ORDERING INFORMATION

PART NO.	DESCRIPTION
CMB-PC1-1U	1 RMU Waterfall Cable Management Bar
CMB-PC1-2U	2 RMU Waterfall Cable Management Bar
CMB-PC1-1U-LH	1 RMU Waterfall Cable Management Bar with Label Holder
CMB-PC1-2U-LH	2 RMU Waterfall Cable Management Bar with Label Holder



Panel-Mount Cable Management Bars & Brackets

KEY FEATURES

- Slide in design for easy installation or future changes
- Management bars are constructed with notches for cable ties
- Brackets offer the option for a second management bar on the front
- Management bars are compatible with most Signamax Patch Panels for both copper and fiber solutions



ORDERING INFORMATION

PART NO.	DESCRIPTION
CMB-250-P	Plastic Panel-Mount Cable Management Bar, 2.50" Deep
CMB-550-M	Metal Panel-Mount Cable Management Bar, 5.50" Deep

BRACKETS

CMB-B1-B	1 RMU Cable Management Bar Mounting Bracket
CMB-B12-B	2 RMU Cable Management Bar Mounting Bracket



110-Style Cable Management Troughs

KEY FEATURES

- Rack-mountable & surface-mountable 110 footprint options
- Split ring design for simple non-destructive cable installation

ORDERING INFORMATION

PART NO.	DESCRIPTION
110-CMT	110-Style Cable Management Trough
110-CMT-L	110-Style Cable Management Trough with Mounting Legs
110-RMCMT	Rack-Mount 110-Style Cable Management Trough, 1 RMU



Rack-Mount Cable Management

Horizontal Cable Management Panels

KEY FEATURES

- Meets EIA/ECA-310-E 19 in mounting standards
- CDP-series are equipped with front or back wiring duct to fit multiple space parameters & applications
- CMP-series are equipped with horizontal and vertical steel distribution rings or back wiring duct for multiple applications
- Enhance cable management & routing for both patch cords and cables



Panels With Wiring Duct & Distribution Rings

ORDERING INFORMATION

PART NO.	DESCRIPTION
CMP-175-AD	1RMU Panel with 5 Horizontal Distribution Rings & Back Wiring Duct
CMP-350-AD	2RMU Panel with 5 Horizontal Distribution Rings & Back Wiring Duct



Panels With Distribution Rings

ORDERING INFORMATION

PART NO.	DESCRIPTION
CMP-175	1RMU Panel with 2 Vertical Distribution Rings & 24 Routing Clips
CMP-350	2RMU Panel with 4 Vertical Distribution Rings, 3 Horizontal Distribution Rings & 24 Routing Clips
CMP-175-A	1RMU Panel with 5 Horizontal Distribution Rings
CMP-350-A	2RMU Panel with 5 Horizontal Distribution Rings

SPECIFICATIONS

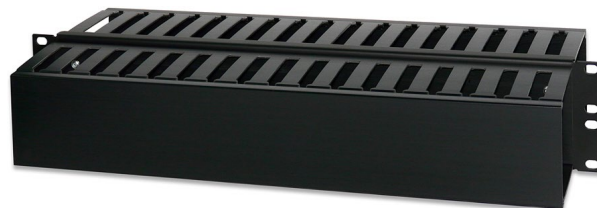
CONSTRUCTION

- Panel:** Steel with corrosive resistant black finish
- Rings:** Steel with corrosive resistant black finish
- Clips:** High-impact thermoplastic, UL94V-0 fire-retardant
- Ducts & Covers:** High-impact thermoplastic, UL94V-0 fire-retardant

DIMENSIONS

- Panel:**
- Depth:** CDP-XXX: 4.00" (102 mm)
- CDP-XXX-A: 7.25" (184 mm)
- CMP-XXX-AD: 8.00" (203 mm)
- CMP-XXX(-A): 4.00" (102 mm)

Rack-Mount Cable Management



Panels With Wiring Duct

ORDERING INFORMATION

PART NO.	DESCRIPTION
CDP-175	1RMU Panel with Front Wiring Duct
CDP-350	2RMU Panel with Front Wiring Duct
CDP-175-A	1RMU Panel with Front Wiring Duct & Back Wiring Duct
CDP-350-A	2RMU Panel with Front Wiring Duct & Back Wiring Duct

Cable Management Ring Brackets

KEY FEATURES

- Mountable on the front or rear of the rack or other available surfaces
- Available in 1 or 2 RMUs & in 4 or 6 inch depths to accommodate various cable bundle sizes



ORDERING INFORMATION

PART NO.	DESCRIPTION
CMR-175-A	1.75" H x 4" D Cable Management Ring Bracket, 1 RMU
CMR-175-B	2.25" H x 4" D Cable Management Ring Bracket, 1 RMU
CMR-175-C	1.75" H x 6" D Cable Management Ring Bracket, 1 RMU
CMR-175-D	2.25" H x 6" D Cable Management Ring Bracket, 1 RMU
CMR-350-A	1.75" H x 4" D Cable Management Ring Bracket, 2 RMU
CMR-350-B	2.25" H x 4" D Cable Management Ring Bracket, 2 RMU
CMR-350-C	1.75" H x 6" D Cable Management Ring Bracket, 2 RMU
CMR-350-D	2.25" H x 6" D Cable Management Ring Bracket, 2 RMU



SPECIFICATIONS

Panel:

Width: 19.0" (482.6 mm)

Height:

CXP-175(-X)/ CMP-175(-X): 1 RMU (1.75" (44.5 mm))

CXP-350(-X)/ CMP-350(-X): 2 RMU (3.50" (88.9 mm))

Cable Duct & Rings:

Vertical Rings: 2.25" W x 3.75" D (57.2 mm x 95.3 mm)

Horizontal Rings: CMP-175(-X): 3.75" D x 1.75" H (95.3 mm x 44.5 mm)
CMP-350(-X): 3.75" D x 3.50" H (95.3 mm x 88.9 mm)

Duct: Front: 3.25" (82.6 mm)

Back: 4.00" (101.6 mm)

Wall-Mount Equipment Cabinets

Wall-Mount Cabinets

KEY FEATURES

- Meets EIA/ECA-310-E 19 in mounting standards
- Simple access to behind the equipment with dual section design
- Removable tempered glass front door with lock
- Adjustable mounting flanges to accommodate different equipment depths
- Three levels of depth & five options for height for application flexibility



ORDERING INFORMATION

PART NO.	DESCRIPTION
SINGLE SECTION	
WEC-S-06-600/450-BK	6 RMU Single Section Wall-Mount Cabinet, 18" Depth
WEC-S-15-600/450-BK	15 RMU Single Section Wall-Mount Cabinet, 18" Depth
DUAL SECTION	
WEC-D-12-600/550-BK	12 RMU Dual Section Wall-Mount Cabinet, 22" Depth
WEC-D-15-600/550-BK	15 RMU Dual Section Wall-Mount Cabinet, 22" Depth
WEC-D-18-600/550-BK	18 RMU Dual Section Wall-Mount Cabinet, 22" Depth
ACCESSORIES	
WEC-CF-2	Cooling Fan Assemblies, Set of two
WEC-MH-CN-50	Mounting Hardware (screw/cage nuts/washer) (Pack of 50)

SPECIFICATIONS

CONSTRUCTION

Body: 16-gauge steel with corrosive resistant black finish
Front Door: Tempered Glass
Fan Assembly: 6 ft cord with NEMA 5-15 plug
Static Load: 132 lb (60 kg)

DIMENSIONS

Width: 23.6" (600 mm)

Single Section Cabinet:

WEC-S-06-600/450-BK: 17.7" D x 10.5" H (450 mm x 267 mm), 62 lb (28 kg)
 WEC-S-15-600/450-BK: 17.7" D x 26.3" H (450 mm x 667 mm), 68 lb (31 kg)

DUAL SECTION CABINET:

WEC-D-12-600/550-BK: 21.7" D x 21.0" H (550 mm x 533 mm), 68 lb (31 kg)
 WEC-D-15-600/550-BK: 21.7" D x 26.3" H (550 mm x 667 mm), 75 lb (34 kg)
 WEC-D-18-600/550-BK: 21.7" D x 31.5" H (550 mm x 800 mm), 86 lb (39 kg)

Wall-Mount Brackets & Hardware

Hinged Wall-Mount Brackets

KEY FEATURES

- Meets EIA/ECA-310-E 19 in mounting standards
- Six inch standoff depth with cable access holes in the rear and sides
- Hinge is designed for right or left handed swing

ORDERING INFORMATION

PART NO.	DESCRIPTION
HWB-175	1 RMU Hinged Wall Mount Bracket
HWB-350	2 RMU Hinged Wall Mount Bracket
HWB-525	3 RMU Hinged Wall Mount Bracket
HWB-700	4 RMU Hinged Wall Mount Bracket
HWB-875	5 RMU Hinged Wall Mount Bracket



Mounting Hardware

KEY FEATURES

- Steel constructed standard Phillips pan head rack mounting screws
- Velcro® ties eliminate over-tension on cable jackets
- Rack-Mountable option is equipped with screw size grommet to attach to the equipment rack

ORDERING INFORMATION

PART NO.	DESCRIPTION
FASTENERS	
RMH-1032	10-32 Phillips Pan Head Rack Mount Screws (Pack of 100)
RMH-1224	12-24 Phillips Pan Head Rack Mount Screws (Pack of 100)
VELCRO® CABLE MANAGEMENT TIES	
VCPT-08-BK	8" L x 0.5" W Velcro Cable Management Tie, Black (Pack of 10)
VCPT-12-BK	12" L x 0.5" W Velcro Cable Management Tie, Black (Pack of 10)
RACK-MOUNTABLE VELCRO® CABLE MANAGEMENT TIES	
VCT-08-BK	8" L x 1" W Rack-Mountable Velcro Cable Management Tie, Black (Pack of 5)
VCT-12-BK	12" L x 1" W Rack-Mountable Velcro Cable Management Tie, Black (Pack of 5)
VCT-18-BK	18" L x 1" W Rack-Mountable Velcro Cable Management Tie, Black (Pack of 5)



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	D13	UFE-B-06FC	B15	UFE-B-12SC	B14	WEC-CF-2	F7
SPL-720-XX	D7	UFE-B-06FC-B	B15	UFE-B-12SCA-C	B14	WEC-D-06-600/550-BK	F7
	D13	UFE-B-06FC-C	B15	UFE-B-12SC-B	B14	WEC-D-09-600/550-BK	F7
SSKF-1	C21	UFE-B-06LC	B13	UFE-B-12SC-C	B14	WEC-D-12-600/550-BK	F7
SSKF-1P	C23	UFE-B-06LCA-C	B13	UFE-B-12SC-G	B14	WEC-D-15-600/550-BK	F7
SSKF-2	C21	UFE-B-06LC-C	B13	UFE-B-12ST	B15	WEC-D-15-600/600-BK	F7
SSKF-3	C21	UFE-B-06LC-G	B13	UFE-B-12ST-B	B15	WEC-D-18-600/550-BK	F7
SSKF-4	C21	UFE-B-06MPO-A	B14	UFE-B-12ST-C	B15	WEC-D-18-600/600-BK	F7
SSKF-6	C21	UFE-B-06MPO-B	B14	UFE-B-BL	B15	WEC-MH-CN-50	F7
SSKFIG-1	C26	UFE-B-06SC	B14	UFE-B-D6SC	B14	WEC-S-06-600/450-BK	F7
SSKFIG-2	C26	UFE-B-06SCA-C	B14	UFE-B-D6SCA-C	B14	WEC-S-09-600/450-BK	F7
SSKFL-1	C21	UFE-B-06SC-B	B14	UFE-B-D6SC-C	B14	WEC-S-12-600/450-BK	F7
SSKFL-2	C21	UFE-B-06SC-C	B14	UFE-B-D6SC-G	B14	WEC-S-15-600/450-BK	F7
SSKFL-3	C21	UFE-B-06SC-G	B14	UFE-B-K6-B	B15	WFE2-B	B10
SSKFL-4	C21	UFE-B-06ST	B15	UFE-B-Q6LC	B13	WFE2M-B	B9
SSKFL-6	C21	UFE-B-06ST-B	B15	UFE-B-Q6LCA-C	B13	WFE2M-B	B9
SSKFLA-4	C21	UFE-B-06ST-C	B15	UFE-B-Q6LC-C	B13	WFE2MS-B	B9
	C14	UFE-B-08FC	B15	UFE-B-Q6LC-G	B13	WFE2MS-B	B9
T110	D31	UFE-B-08FC-B	B15	UFE-B-Q6SC-B	B14	WFE2S-B	B10
	C14	UFE-B-08FC-C	B15	UFS4-B	B6	WFE4-B	B10
T110BL	D31	UFE-B-08LC	B13	UFS8-B	B6	WFE4M-B	B9
	C14	UFE-B-08LCA-C	B13	VCM-84FR-C	F1	WFE4M-B	B9
T66	D31	UFE-B-08LC-C	B13	VCM-84FR-S	F1	WFE4MS-B	B9
	C14	UFE-B-08LC-G	B13	VCM-84F-S	F1	WFE4MS-B	B9
T66BL	D31	UFE-B-08MPO-A	B14	VCPT-08-BK	F8	WFE4S-B	B10
	E14	UFE-B-08MPO-B	B14	VCPT-12-BK	F8	WM100PR-4F4	D30
TRJ45P	E14	UFE-B-08SC	B14	VCT-08-BK	F8	WM100PR-4M4	D30
UFD12-B	B5	UFE-B-08SCA-C	B14	VCT-12-BK	F8	WM100PRL-4F4	D30
UFD4-B	B5	UFE-B-08SC-B	B14	VCT-18-BK	F8	WM100PRL-4M4	D30
UFE12HD1-B	B4	UFE-B-08SC-C	B14	WBK-100PR4	D27	WM25PR-1F4	D30
UFE12HD2-B	B2	UFE-B-08SC-G	B14	WBK-100PRL4	D27	WM25PR-1M4	D30
UFE1-B-6QH-B	B8	UFE-B-08ST	B15	WBK-300PR4	D27	WM25PRL-1F4	D30
UFE1-B-6QHLCM3	B8	UFE-B-08ST-B	B15	WBK-300PRL4	D27	WM25PRL-1M4	D30
UFE1-B-6QHLCSM	B8	UFE-B-08ST-C	B15	WBK-50PR4	D27	WM50PR-2F4	D30
UFE1-B-6QHSCM3	B8	UFE-B-12FC	B15	WBK-50PRL4	D27	WM50PR-2M4	D30
UFE1-B-6QHSCSA	B8	UFE-B-12FC-B	B15	WBK6-288PR4	D27	WM50PRL-2F4	D30
UFE1-B-6QHSCSM	B8	UFE-B-12FC-C	B15	WBK6-288PRL4	D27	WM50PRL-2M4	D30
UFE3HD1-B	B3	UFE-B-12LC	B13	WBK6-48PR4	D27		
UFE3HD2-B	B1	UFE-B-12LCA-C	B13	WBK6-48PRL4	D27		
UFE6HD1-B	B3	UFE-B-12LC-C	B13	WBK6-96PR4	D27		
UFE6HD2-B	B2						



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