

## specifications

Category 5e/Class D, F/UTP shielded patch cords shall be constructed of 26 AWG shielded twisted pair stranded copper cable with a shielded high performance modular plug at each end. Patch cord cable shall be available in gray in multiple lengths, and strain relief boots on the modular plugs shall be available in multiple colors for additional design flexibility. Patch cords shall be used in all work area outlets and modular patch panels. All patch cords shall be compatible with both T568A and T568B wiring schemes.



## technical information

<b>Category 5e/Class D channel and component performance:</b>	Exceeds all ISO 11801 Class D Edition 2.1 and ANSI/TIA-568-C.2 Category 5e standards for all frequencies from 1 to 100 MHz
<b>Cable diameter:</b>	0.205 in. (5.2mm) nominal
<b>FCC and ANSI compliance:</b>	Meets all applicable ANSI/TIA-968-A requirements; contacts plated with 50 microinches of gold for superior performance
<b>IEC compliance:</b>	Meets IEC 60603-7
<b>UL rated:</b>	UL 1863 approved
<b>RoHS compliance:</b>	Compliant
<b>PoE compliance:</b>	Meets requirements of IEEE 802.3af and IEEE 802.3at for PoE applications
<b>Flammability rating:</b>	CM/LSZH dual rated

## key features and benefits

<b>100% performance tested for wire map, NEXT and return loss</b>	Confidence that each patch cord delivers specified performance
<b>Centered de-embedded plug</b>	Performs in center of ANSI/TIA-568-C.2 component range, ensuring interoperability and optimum performance
<b>Integral pair manager</b>	Optimizes performance and consistency by reducing untwist at plug
<b>Patented tangle-free latch</b>	Prevents snags and provides easy release, saving time on frequent moves, adds and changes
<b>Slender strain relief boot</b>	Provides easy access in high-density applications
<b>Flexible stranded cable</b>	26 AWG stranded copper cable with a nominal diameter of 0.205 inch allows for high density installations and superior panel cable management
<b>Variety of boot colors and cable lengths</b>	Meets individual length and color-coding requirements for greater system flexibility
<b>Identification</b>	Provides identification of performance level, length, and quality control number for future traceability
<b>Robust construction</b>	Plug contact plated with 50 microinches of gold and rated to 2500 mating cycles
<b>Keyed version available</b>	Color-specific keys with positive and negative keying features mechanically and visually distinguish connections to prevent unintentional mating with unlike keyed or non-keyed jack modules, offering network design flexibility, versatility accommodating discrete networks for enhanced security
<b>Color bands (optional)</b>	Snap onto cable, allowing additional color-coding options
<b>RJ45 plug lock-in device (optional)</b>	Secures plug into jack to prevent unauthorized removal of patch cord

## applications

TX5e™ Shielded Patch Cords are a component of the TX5500™ Shielded Copper Cabling System. This end-to-end system provides Gigabit Ethernet performance with usable bandwidth beyond 100 MHz. With certified performance to the ISO 11801 Class D and ANSI/TIA/EIA-568-C.2 Category 5e standards, this system will support the

following applications:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet)
- 155 Mb/s ATM, 622 Mb/s ATM
- Token Ring 4/16
- Voice/data systems
- Voice over Internet Protocol (VoIP)

### TX5500™ Shielded Copper Cabling System

#### TX5e™ Shielded Patch Cords

**Meter lengths:** STPCH\*MBBL

#### Mini-Com® TX5e™ Shielded Jack Module

**Jack module:** CJS5E88TGY

#### TX5500™ Shielded Copper Cable – SF/UTP and F/UTP

**LSZH:** PFL5504DG-E  
**CM:** PFC5504LG-E

#### Mini-Com® Angled All Metal Shielded Modular Patch Panels

**24-port, 1 RU:** CPA24BLY  
**48-port, 2 RU:** CPA48BLY  
**72-port, 2 RU:** CPA72BLY

#### Mini-Com® Flat All Metal Shielded Modular Patch Panels

**24-port, 1 RU:** CP24BLY  
**48-port, 2 RU:** CP48BLY  
**72-port, 2 RU:** CP72BLY

#### Tools and Accessories

**Patch cord removal tool:** PCRT1

**Flashlight kit:** KPCRT-FL

**Patch cord band:** PCBAND\*\*-Q

#### Standard RJ45 plug

**lock-in device:** PSL-DCPLX\*\*\*

#### Recessed RJ45 plug

**lock-in device:** PSL-DCPLRX\*\*\*

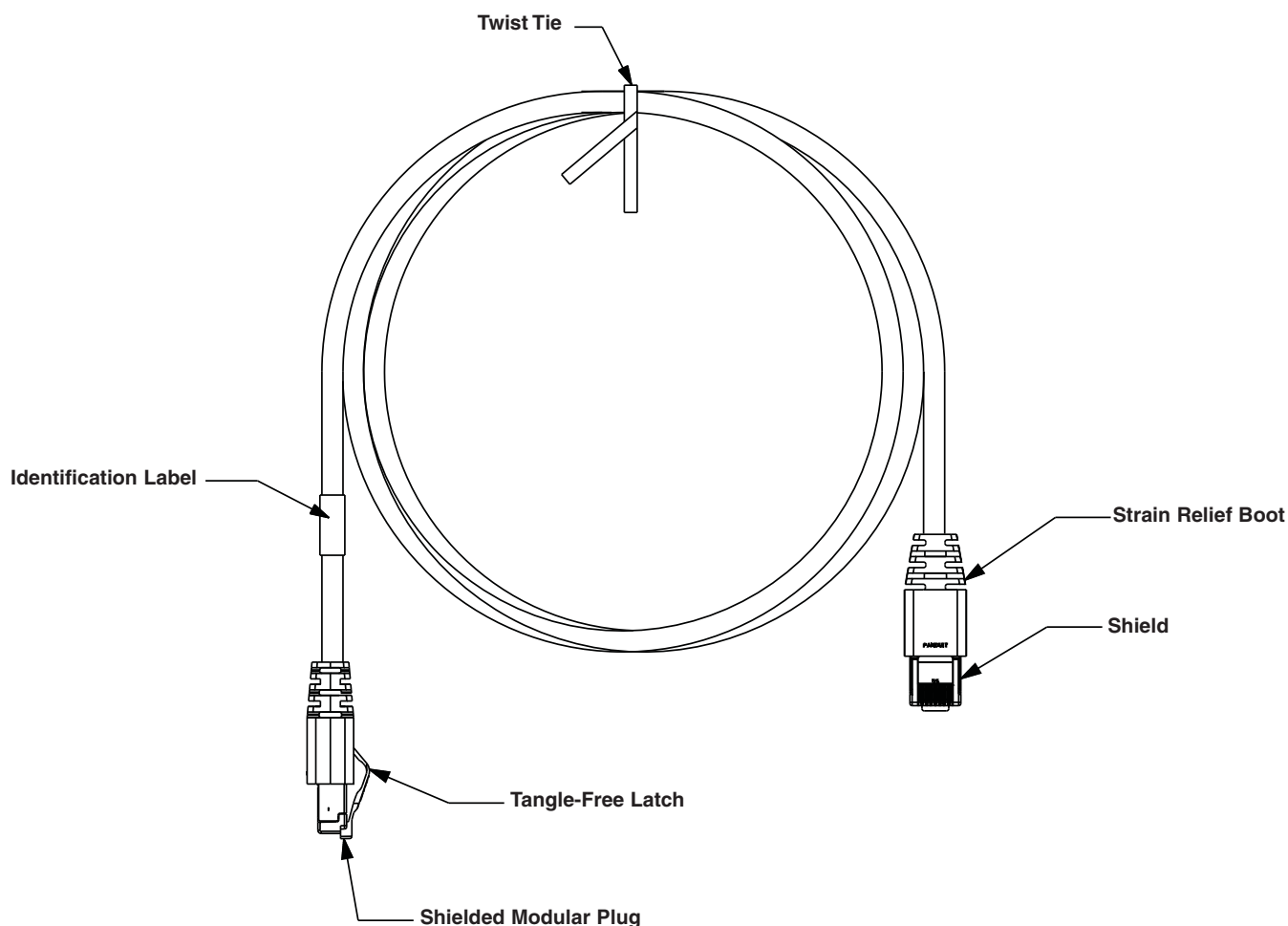
\*For lengths 1 to 10 meters (increments of one meter) and 0.5, 1.5, 2.5, 15, 20, 25, 30, 35, 40 meters, change the length designation in the part number to the desired length. For boot colors other than Black, replace BL (Black) with BU (Blue), GR (Green), RD (Red) or YL (Yellow). For example, the part number for a 15-meter patch cord with blue boots is STPCH15MBBU.

\*\*To designate color, add suffix WH (White), EI (Electric Ivory), IG (International Gray), BL (Black), BU (Blue), YL (Yellow), RD (Red), YL (Yellow), GR (Green), OR (Orange) or VL (Violet) before -Q in the part number. 25/package.

\*\*\*For colors other than Red, add suffix BL (Black), BU (Blue), YL (Yellow), IW (Off White), GR (Green) to end of the part number. 10/package.

Contact customer service for keyed connectivity, bulk packaged jack modules and patch cords.

# TX5e™ Shielded Patch Cords



**T568A Wiring Scheme**

Plug Position	Cable Wire
1	White/Green
2	Green
3	White/Orange
4	Blue
5	White/Blue
6	Orange
7	White/Brown
8	Brown

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