

## specifications

Category 5e/Class D, UTP patch cords shall be constructed of 24 AWG unshielded twisted pair stranded copper cable with a high performance modular plug at each end. Patch cord cable shall be offered in multiple colored UTP cable in multiple lengths for design flexibility. 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 ANSI/TIA-568-C.2 Category 5e and ISO 11801 Class D Edition 2.1 standards for all frequencies from 1 to 100 MHz
<b>Cable diameter:</b>	0.215 in. (5.5mm) 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 or LSZH

## 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>Flexible stranded cable</b>	U/UTP stranded 24 AWG copper cable with a nominal diameter of 0.215 inch allows for high density installations and superior panel cable management
<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>Variety of cable colors and lengths</b>	Meets individual length and color-coding requirements for greater system flexibility
<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™ UTP Patch Cords are a component of the TX5500™ Copper Cabling System. This end-to-end system provides Gigabit Ethernet performance with usable bandwidth beyond 100 MHz. With certified performance to the ANSI/TIA-568-C.2 Category 5e and ISO 11801 Class D Edition 2.1 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™ UTP Copper Cabling System

#### TX5e™ UTP Patch Cords

<b>CM (foot lengths):</b>	UTPCH*Y
<b>CM (meter lengths):</b>	UTPCH**MY
<b>LSZH (meter lengths):</b>	UTPCHL**MY

#### Mini-Com® TX5e™ UTP Jack Module

<b>Jack module:</b>	CJ5E88TG***
<b>Shuttered jack module:</b>	CJD5E88TG***

#### TX5500™ UTP Copper Cable

<b>LSZH:</b>	PUL5504^
<b>CM:</b>	PUC5504^

#### Mini-Com® Angled Modular Patch Panels

<b>24-port, 1 RU:</b>	CPPLA24WBLY
<b>48-port, 2 RU:</b>	CPPLA48WBLY

#### Mini-Com® Flat Modular Patch Panels

<b>24-port, 1 RU:</b>	CPPL24WBLY
<b>48-port, 2 RU:</b>	CPPL48WBLY

For additional modular and punchdown patch panels, visit [www.panduit.com](http://www.panduit.com).

#### Tools and Accessories

<b>Patch cord removal tool:</b>	PCRT1
<b>Flashlight kit:</b>	KPCRT-FL
<b>Patch cord band:</b>	PCBAND^^-Q
<b>Standard RJ45 plug lock-in device:</b>	PSL-DCPLX^^^
<b>Recessed RJ45 plug lock-in device:</b>	PSL-DCPLRX^^^

\*For lengths 1 to 20 feet (increments of one foot) 20, 25, 30, 35 or 40 feet, change the length designation in the part number to the desired length. For standard cable colors other than Off White, add suffix BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange) or VL (Violet) before the Y at the end of the part number. For example, the part number for a blue 15-foot patch cord is UTPCH15BUY.

\*\*For lengths 1 to 10 meters (increments of one meter) 0.5, 1.5, 2.5, 15, 20, 25, 30, 35, 40 meters, change the length designation of the part number to the desired length. For standard cable colors other than Off White, add suffix BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange) or VL (Violet) before the Y in the part number. For example, the part number for a blue 15-meter patch cord is UTPCH15MBUY.

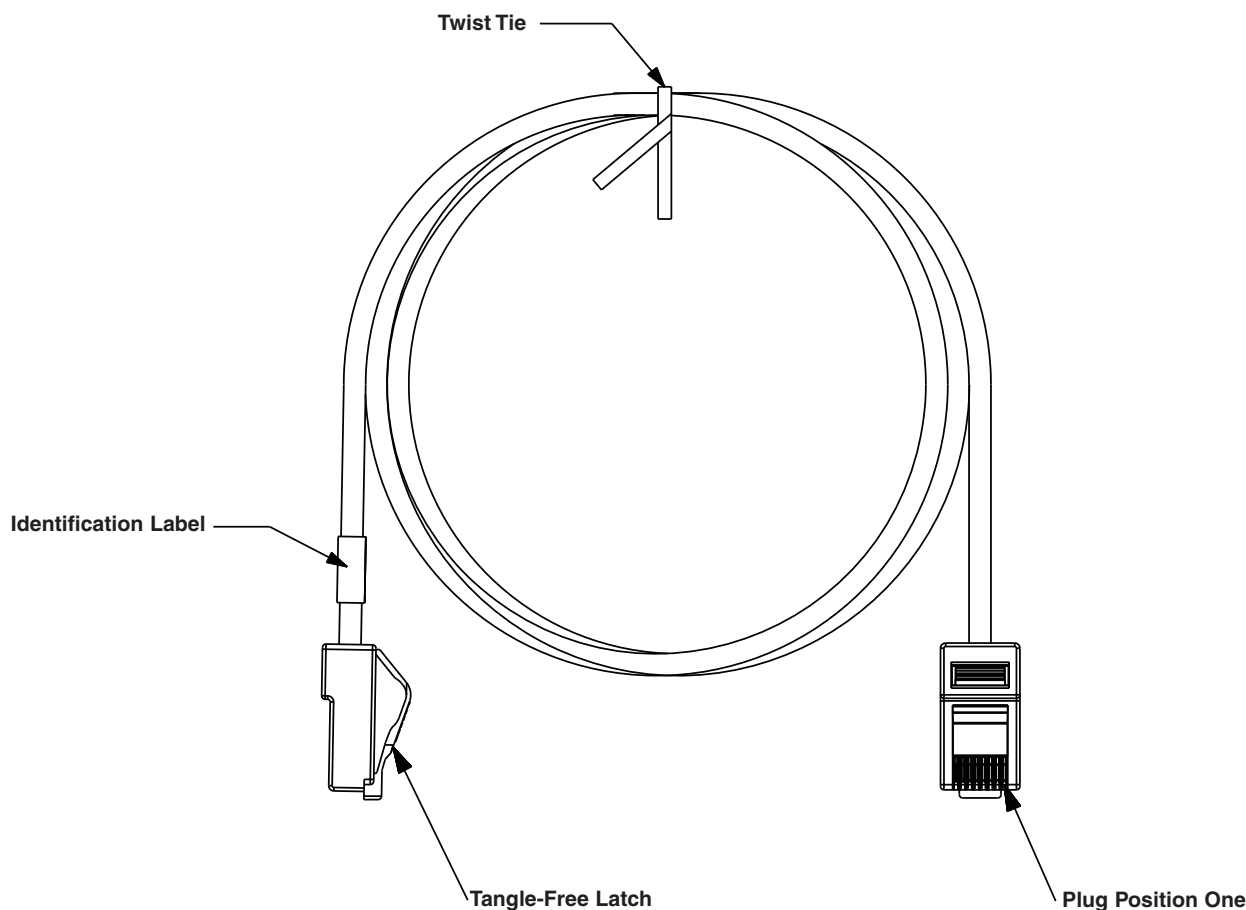
\*\*\*To designate color, add suffix IW (Off White), EI (Electric Ivory), WH (White), IG (International Gray), OR (Orange), RD (Red), BU (Blue), GR (Green), YL (Yellow) or VL (Violet).

^To designate color, add suffix BU (Blue), WH (White), YL (Yellow) or IG (International Gray).

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

^^^For colors other than Red, add suffix -BL (Black), -BU (Blue), -GR (Green), -YL (Yellow), -OR (Orange), -IW (International White) or -IG (International Gray) to the end of the part number. 10/package. Add -C for bulk packages of 100.

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