

## specifications

Category 6/Class E, UTP patch cords shall be constructed of 24 AWG unshielded twisted pair stranded copper cable with an enhanced performance modular plug at each end. Patch cord cable shall be offered in multiple colored UTP cable for design flexibility with a clear strain relief boot on each modular plug. All patch cords shall be compatible with both T568A and T568B wiring schemes.



## technical information

<b>Category 6/Class E channel and component performance:</b>	Exceeds all ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E Edition 2.1 standards for all frequencies from 1 to 250 MHz
<b>Cable diameter:</b>	0.235 in. (6.0mm) 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>	Meet 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>Slender strain relief boot</b>	Provides easy access in high-density applications
<b>Flexible stranded cable</b>	U/UTP stranded 24 AWG copper cable with a nominal diameter of 0.235 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>Variety of cable colors and lengths</b>	Meets individual length and color-coding requirements for greater system flexibility
<b>Robust construction</b>	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

TX6™ PLUS UTP Patch Cords are a component of TX6500™ and TX6000™ Copper Cabling Systems. Interoperable and backward compatible, these end-to-end systems provide design flexibility to protect network investments well into the future. With certified performance to the ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E Edition 2.1 standards, these systems are ideal for today's high performance workstation applications. With certified performance to the ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E Edition 2.1 standards, these

systems will support the following applications:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet), 10GBASE-T (10Gigabit Ethernet over limited distances as specified in the industry 10GBASE-T standards)
- 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM
- Token ring 4/16
- Digital video and broadband/baseband analog video
- Voice over Internet Protocol (VoIP)

### TX6500™ and TX6000™ UTP Copper Cabling System

#### TX6™ PLUS UTP Patch Cords

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

#### Mini-Com® TX6™ PLUS UTP Jack Module

<b>Jack module:</b>	CJ688TG***
<b>Shuttered jack module:</b>	CJD688TG***M

#### TX6500™ UTP Copper Cable

<b>Riser:</b>	PUR6504^UY
<b>Plenum:</b>	PUP6505^UY

#### TX6000™ UTP Copper Cable

<b>LSZH:</b>	PUL6004^
<b>CM:</b>	PUC6004^

#### 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) and 25, 30, 35, 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 UTPSP15BUY.

\*\*For lengths 1 to 10 meters (increments of 1 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 standard cable colors other than Off White, add suffix BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange) or VL (Violet) after the M in the part number. For example, the part number for a blue 15 meter patch cord is UTPSP15MBUY.

\*\*\*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).

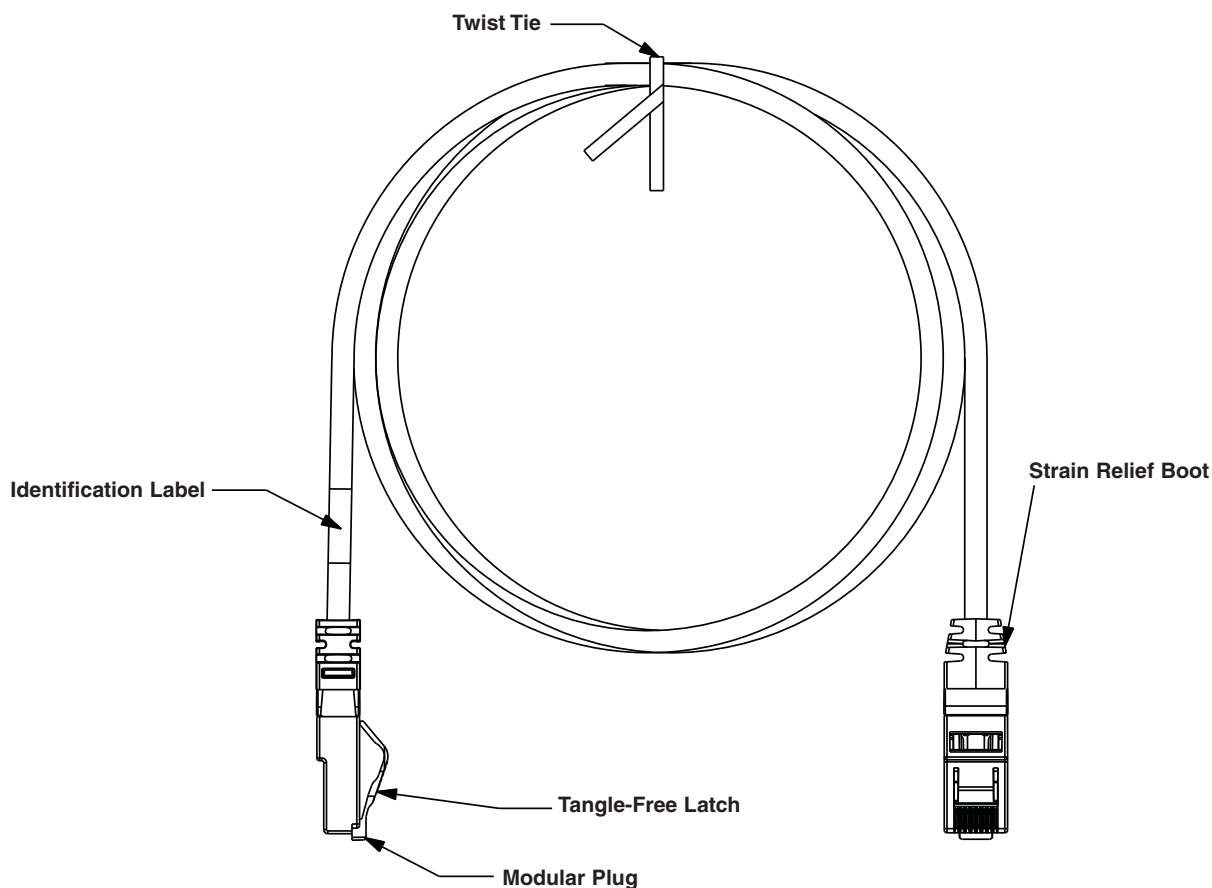
^To designate color, add suffix BU (Blue), WH (White), YL (Yellow) or IG (International Gray).

^^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 -Q in the part number. 25/package.

^^^For colors other than Red, -BL (Black), -BU (Blue), -GR (Green), -YL (Yellow), -IW (Off 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.

# TX6™ PLUS UTP Patch Cords



T568B Wiring Scheme

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

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