

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

Category 5e/Class D channel and component performance:	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
Cable diameter:	0.215 in. (5.5mm) nominal
FCC and ANSI compliance:	Meets all applicable ANSI/TIA-968-A requirements; contacts plated with 50 microinches of gold for superior performance
IEC compliance:	Meets IEC 60603-7
UL rated:	UL 1863 approved
RoHS compliance:	Compliant
PoE compliance:	Meets requirements of IEEE 802.3af and IEEE 802.3at for PoE applications
Flammability rating:	CM or LSZH

key features and benefits

100% performance tested for wire map, NEXT and return loss	Confidence that each patch cord delivers specified performance
Centered de-embedded plug	Performs in center of ANSI/TIA-568-C.2 component range, ensuring interoperability and optimum performance
Integral pair manager	Optimizes performance and consistency by reducing untwist at plug
Patented tangle-free latch	Prevents snags and provides easy release, saving time on frequent moves, adds and changes
Flexible stranded cable	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
Identification	Provides identification of performance level, length, and quality control number for future traceability
Robust construction	Plug contact plated with 50 microinches of gold and rated to 2500 mating cycles
Variety of cable colors and lengths	Meets individual length and color-coding requirements for greater system flexibility
Keyed version available	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
Color bands (optional)	Snap onto cable, allowing additional color-coding options
RJ45 plug lock-in device (optional)	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

CM (foot lengths):	UTPCH*Y
CM (meter lengths):	UTPCH**MY
LSZH (meter lengths):	UTPCHL**MY

Mini-Com® TX5e™ UTP Jack Module

Jack module:	CJ5E88TG***
Shuttered jack module:	CJD5E88TG***

TX5500™ UTP Copper Cable

LSZH:	PUL5504^
CM:	PUC5504^

Mini-Com® Angled Modular Patch Panels

24-port, 1 RU:	CPPLA24WBLY
48-port, 2 RU:	CPPLA48WBLY

Mini-Com® Flat Modular Patch Panels

24-port, 1 RU:	CPPL24WBLY
48-port, 2 RU:	CPPL48WBLY

For additional modular and punchdown patch panels, visit www.panduit.com.

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 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.

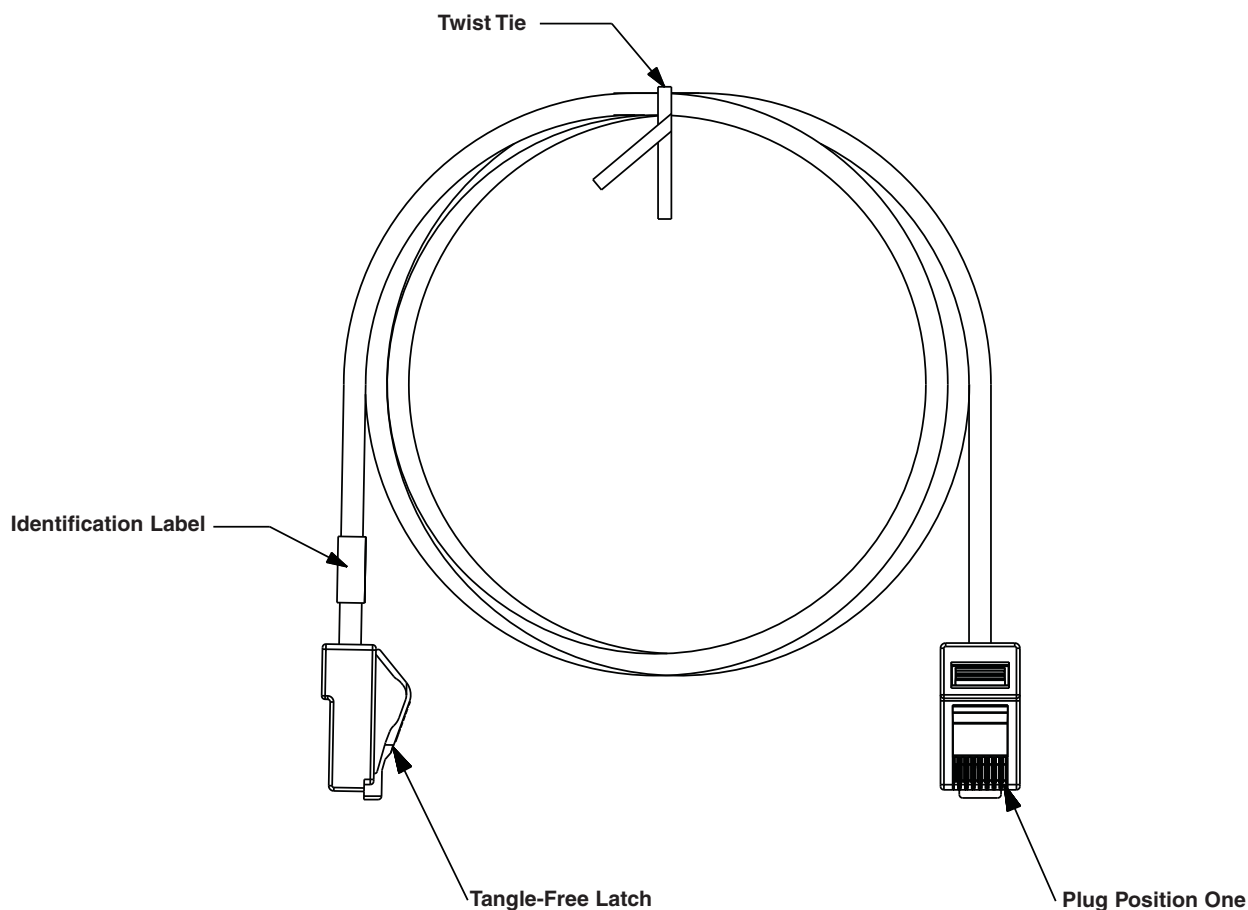
***To designate color, add suffix IW (Off White), EI (Electric Ivory), WH (White), IG (International Gray), OR (Orange), RD (Red), BU (Blue), GR (Green), YL (Yellow) or VL (Violet).

^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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