

TX5e™ Shielded Patch Cords

PANDUIT®

SPECIFICATION SHEET

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

Category 5e/Class D channel and component performance:	Exceeds all ISO 11801 Class D and ANSI/TIA-568.2-D Category 5e standards for all frequencies from 1 to 100 MHz ³
Cable diameter:	0.205 in. (5.2mm) nominal
FCC and ANSI compliance:	Meets ANSI/TIA-1096-A (formerly FCC Part 68); 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:	Rated for 2500 cycles with IEEE 802.3af / 802.3at and 802.3bt type 3 and type 4
Flammability rating:	CM/LSZH dual rated

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-568.2-D 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
Slender strain relief boot	Provides easy access in high-density applications
Flexible stranded cable	26 AWG stranded copper cable with a nominal diameter of 0.205 inch allows for high density installations and superior panel cable management
Variety of boot colors and cable lengths	Meets individual length and color-coding requirements for greater system flexibility
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
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™ 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-568.2-D 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)

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TX5500™ Shielded Copper Cabling System

TX5e™ Shielded Patch Cords

Meter lengths: STPCH*MBBL

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: PSLDCPLRX***

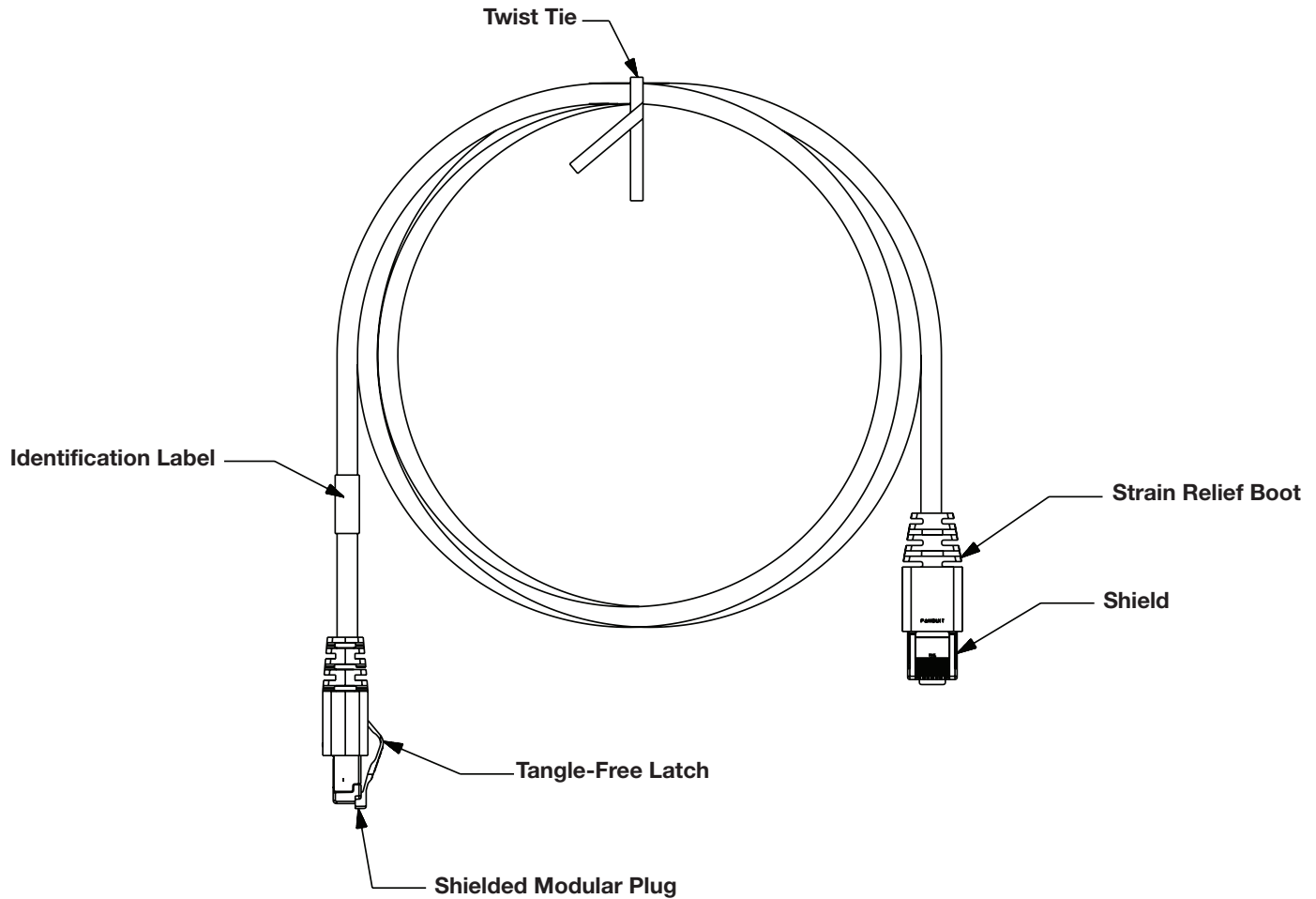
*For lengths 1 to 10 meters (increments of one meter) and 0.5, 1.5, 2.5, 15, 20, 25, 30, 35, 40 meters, change the length designation in the part number to the desired length. For boot colors other than Black, replace BL (Black) with BU (Blue), GR (Green), RD (Red) or YL (Yellow). For example, the part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

◇Lengths 1m to 15m or 6 inch to 49 feet are guaranteed to meet TIA and ISO component and channel requirements. Lengths greater than 15m or 49 feet are guaranteed to meet ISO component and both TIA and ISO channel requirements.

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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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12/2018