TX6A™ 10Gig™ F/UTP Shielded Patch Cords

PANDUIT®

specifications

Category 6A/Class E$_A$, F/UTP patch cords shall be constructed of 26 AWG shielded twisted pair stranded copper cable with an enhanced performance shielded modular plug at each end. Patch cord cable shall be offered in multiple colored F/UTP cable for design flexibility with a black strain relief boot on each modular plug. All patch cords shall be compatible with both T568A and T568B wiring schemes.

technical information

Category 6A/ ISO 11801 Class E$_A$ channel performance tested to 500MHz:	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds the requirement of ISO 11801 Class E$_A$ Edition 2.1, IEEE 802.3an-2006 and ANSI/TIA-568-C.2 Category 6A standards for supporting 10GBASE-T transmission over copper twisted pair cabling when used as part of the Panduit® TX6A™ 10Gig™ Shielded Copper Cabling System
Cable diameter:	0.252 in. (6.3mm) nominal
FCC and ANSI compliance:	Meets ANSI/TIA-1096-A requirements; contacts plated with 50 microinches of gold for superior performance
IEC compliance:	Meets IEC 60603-7
Flame rating:	Meets IEC 60332-1, IEC 60754-1, IEC 61034-2
UL rated:	UL 1863 approved
RoHs compliance:	Compliant
PoE compliance:	Rated for 2500 cycles with IEEE 802.3af / 802.3at and proposed 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 component level 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
Slender strain relief boot	Provides easy access in high-density applications
Flexible stranded cable	Copper cable made of 0.25 inch F/UTP stranded 26 AWG allows for high density applications and superior panel cable management
Identification	Provides identification of performance level, length, and quality control number for future traceability
Robust construction	Rated to 2500 mating cycles
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

TX6A™ 10Gig™ Shielded Patch Cords are a component of the Panduit TX6A™ 10Gig™ Shielded Copper Cabling System. This end-to-end system provides a cost-effective medium for ensuring that network bandwidth needs are easily met today and tomorrow. This shielded cabling system provides high performance, excellent EMI suppression, and aids in secure data transmission. The Panduit solution helps ensure organizations efficiently and reliably meet their data transmission needs. With certified performance to the ISO 11801 Class E$_A$ Edition 2.1,

IEEE 802.3an-2006 and ANSI/TIA-568-C.2 Category 6A standards, this system will support the following applications:

- Stacking switched and switch-to-switch links
- Aggregation of Gigabit Ethernet channels
- Streaming video
- Scientific modeling
- Storage area networks
- Real-time intensive financial transactions
- Animation
- Medical imaging

Sidebar

TX6A™ 10Gig™ Shielded Copper Cabling System

TX6A™ 10Gig™ Shielded Patch Cords*
Meter lengths:	STP6C**

TX6A™ 10Gig™ Shielded Jack Module
Jack module:	CJS6X88TGY

TX6A™ 10Gig™ Shielded Copper Cable – U/FTP
LSZH:	PUFL6X04WH-KD

TX6A™ 10Gig™ Shielded Copper Cable – S/FTP
LSZH:	PSL7004DG-ED

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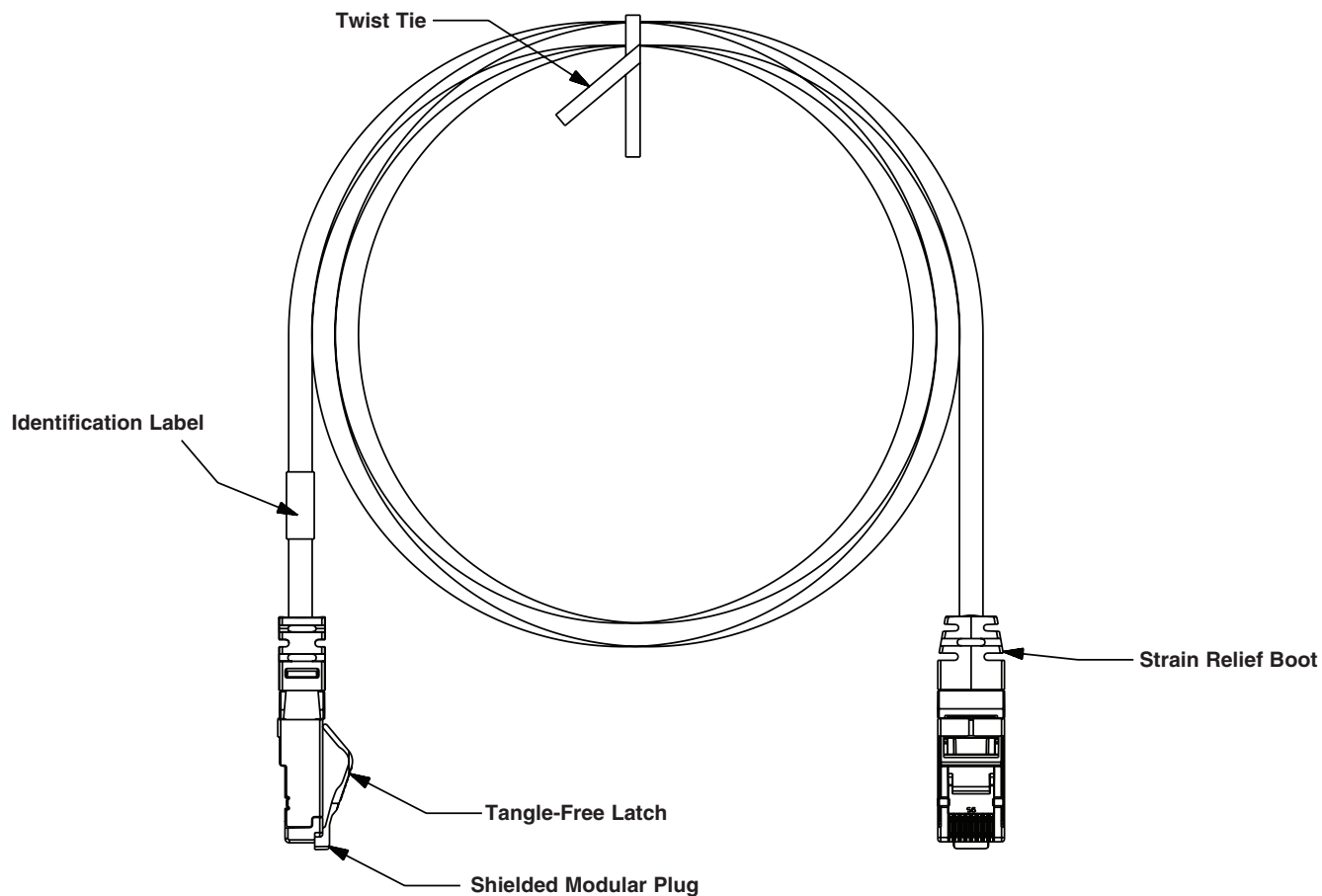|	
Patch cord removal tool:	PCRT1
Flashlight kit:	KPCRT-FL
Patch cord band:	PCBAND***-Q
Standard RJ45 plug lock-in device:	PSL-DCPLX^^
Recessed RJ45 plug lock-in device:	PSL-DCPLRX^^

**For lengths 0.5 to 10 meters (increments of 0.5 meter) and 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 IG (International Gray) substitute IG suffix with BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange), or VL (Violet) to the end of the part number. For example, the part number for a blue 15-meter patch cord is STP6C15MBU.

***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 -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.

Twist Tie

Identification Label

Strain Relief Boot

Tangle-Free Latch

Shielded Modular Plug

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

For more information

Visit us at www.panduit.com

**Contact Customer Service by email: cs@panduit.com
or by phone: 800-777-3300**

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