

# TX6A™ 10Gig™ Shielded Patch Cords

## specifications

Category 6A/Class E<sub>A</sub> S/FTP 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 S/STP 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

<b>Category 6A/ISO 11801 Class E<sub>A</sub> channel performance tested to 500MHz:</b>	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds the requirement of ISO 11801 Class E <sub>A</sub> 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
<b>Cable diameter:</b>	0.240 in. (6.1mm) 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>Flame rating:</b>	Meets IEC 60332-1, IEC 60754-1, IEC 61034-2
<b>UL rated:</b>	UL 1863 approved
<b>RoHS compliance:</b>	Compliant
<b>PoE compliance:</b>	Meet requirements of IEEE 802.3at and IEEE 802.3af for PoE applications
<b>Flammability rating:</b>	CM/LSZH dual rated

## key features and benefits

<b>100% performance tested for wire map, NEXT, and return loss</b>	Confidence that each patch cord delivers specified component level 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>	Copper cable made of 0.23 inch S/FTP stranded 26 AWG allows for high density applications 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>	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
<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

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<sub>A</sub> 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

### TX6A™ 10Gig™ Shielded Copper Cabling System

#### TX6A™ 10Gig™ Shielded Patch Cords\*

**Foot lengths:** STP6X\*1G  
**Meter lengths:** STP6X\*\*MIG

#### TX6A™ 10Gig™ Shielded Jack Module

**Jack module:** CJS6X88TGY

#### TX6A™ 10Gig™ Shielded Copper Cable – U/FTP

**Plenum:** PUFF6X04BU-UG^  
**Riser:** PUFR6X04BU-UG^

#### TX6A™ 10Gig™ Shielded Copper Cable – S/FTP

**LSZH:** PSL7004DG-ED  
**LSZH:** PUFL6X04WH-KD

#### 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 3 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 IG (International Gray) substitute IG 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-foot patch cord is STP6X15BU.

\*\*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 STP6X15MBU.

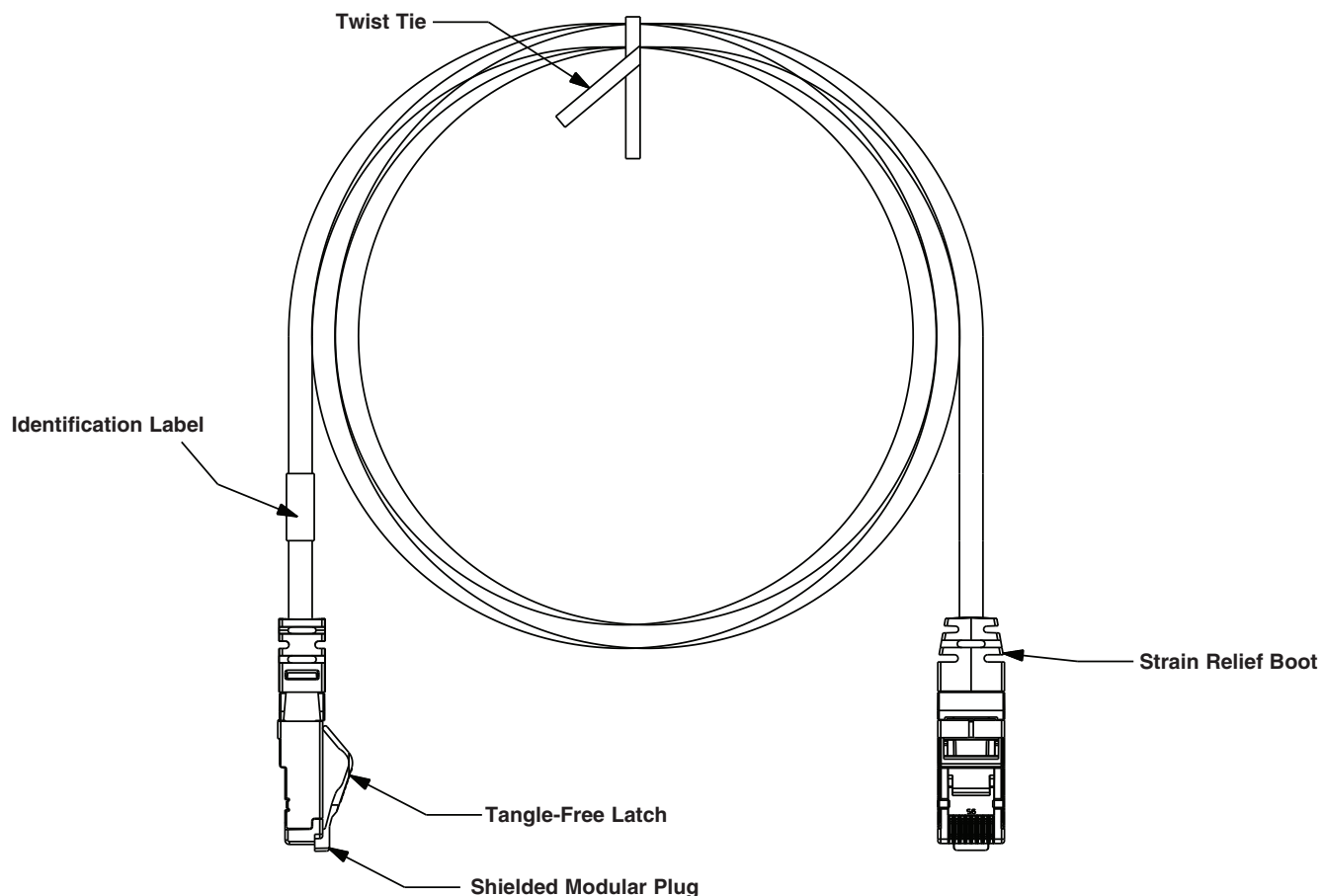
^For standard colors other than BU (Blue), replace BU (Blue) with WH (White), YL (Yellow), or IG (International Gray).

\*\*\*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 -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.

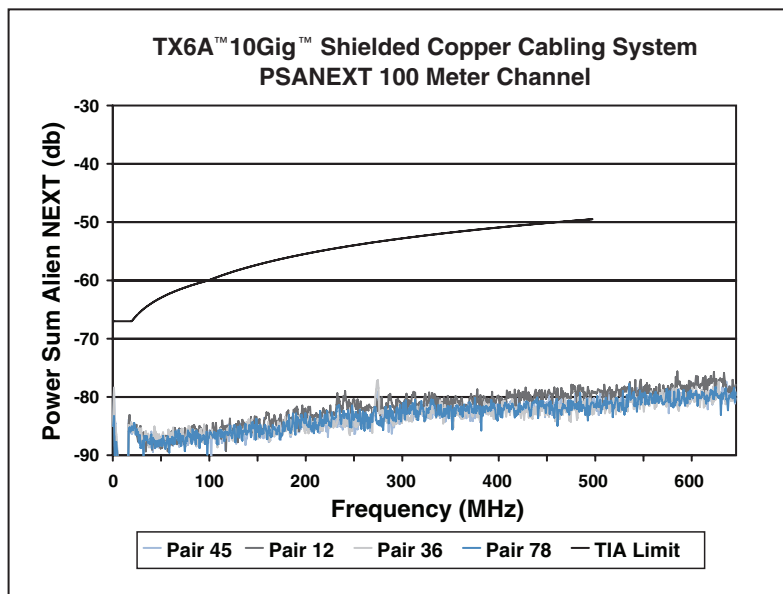
Contact customer service for keyed connectivity, bulk packaged jack modules, and patch cords.

# TX6A™ 10Gig™ Shielded 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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