

TX6A™ 10Gig™ Shielded Patch Cords

SPECIFICATIONS

Category 6A/Class E_A, 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/FTP 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 and component performance: | Exceeds all ANSI/TIA-568.2-D Category 6A and ISO 11801 Class E _A standards for all frequencies up to 500 MHz \diamond |
| FCC and ANSI compliance: | Meets ANSI/TIA-1096-A requirements (formerly FCC Part 68); contacts plated with 50 microinches of gold for superior performance |
| IEC compliance: | Meets IEC 60603-7 |
| PoE compliance: | Rated for 2500 cycles with IEEE 802.3af / 802.3at and 802.3bt type 3 and type 4 |
| c(UL)us compliance: | UL 1863 approved |
| RoHS compliance: | Compliant |
| Flame rating: | Meets IEC 60332-1, IEC 60754-1, IEC 61034-2 |
| Cable diameter: | 0.24 in. (6.1mm) nominal |
| Operating temperature: | 14°F-167°F (-10°C-75°C) |
| Installation temperature: | -40°F-158°F (-40°C-70°C) |
| 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 |
| Flexible stranded cable: | Copper cable made of 0.24 inch S/FTP stranded 26 AWG allows for high density applications and superior panel cable management |
| Center de-embedded plug: | Performs in center of ANSI/TIA-568.2-D component range, ensuring interoperability and superior 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 |

TX6A 10Gig Shielded Patch Cords*

| | |
|-----------------------|------------------------|
| Foot lengths: | STP6X ^{^^} |
| Meter lengths: | STP6X ^{**M^^} |

Tools and Accessories

| | |
|---|----------------------------|
| Patch cord removal tool: | PCRT1 |
| Flashlight kit: | KPCRT1-FL |
| Patch cord band: | PCBAND ^{^^-Q} |
| Standard RJ45 plug lock-in device: | PSL-DCPLE ^{^^^+} |
| Recessed RJ45 plug lock-in device: | PSL-DCPLRE ^{^^^+} |

*Foot lengths: 1 - 20 feet (every 1 foot)
25 - 50 feet (every 5 feet)
100 feet

**Meter lengths: 0.2 meters
0.5 - 5 meters (every 0.5 meters)
5 - 20 meters (every 1 meter)
25 - 50 meters (every 5 meters)

[^]Color: BU (Blue), BL (Black), GR (Green), RD (Red), YL (Yellow) or VL (Violet), or IG (International Gray)

^{^^}Color: BU (Blue), BL (Black), WH (White), GR (Green), RD (Red), YL (Yellow), VL (Violet), IG (International Gray), or EI (Electric Ivory)

^{^^^}Colors other than Red: -BU (Blue), -BL (Black), -GR (green), -YL (Yellow), -IW (Off White), or IG (International Gray)
-Q indicates bulk packages with 25 pieces per pack to reduce single-use plastic
+Add -X to indicate bulk packages with 10 pieces per pack or -C to indicate bulk packages with 100 pieces per pack to reduce single-use plastic

\diamond Lengths 1 meter to 15 meters or 6 inches to 49 feet are guaranteed to meet TIA and ISO component and channel requirements. Lengths greater than 15 meters or 49 feet are guaranteed to meet ISO component and both TIA and ISO channel requirements



TX6A™ 10Gig™ Shielded Patch Cords are pre-labeled with the RapidID™ Network Mapping System to enable faster tracing, placing, and network documentation. Learn more: www.panduit.com/rapid-id



All listed part numbers are compliant with the U.S. Trade Agreements Act (TAA) for purchases shipped to customers in the United States.

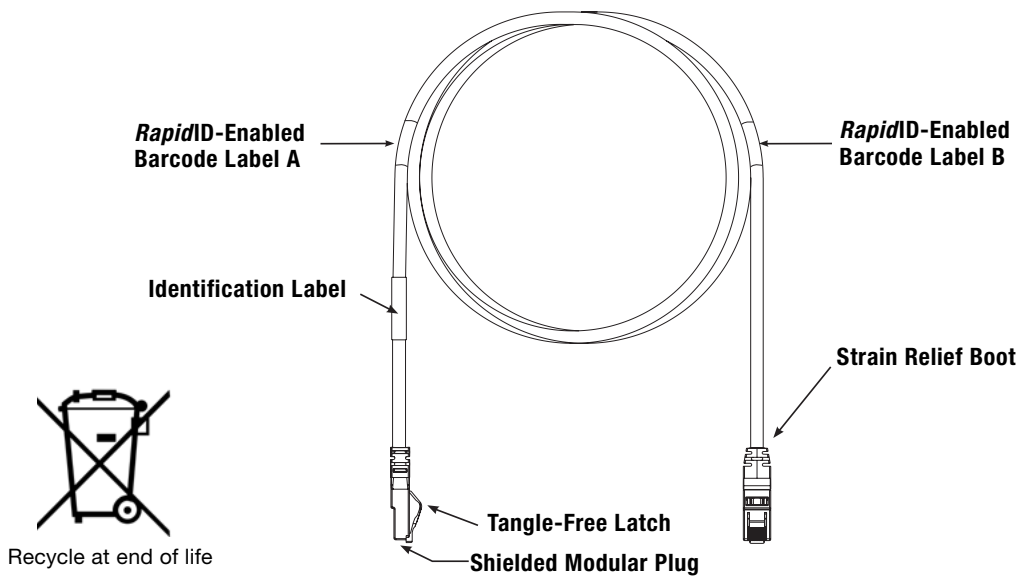
TX6A™ 10Gig™ Shielded Patch Cords

APPLICATIONS

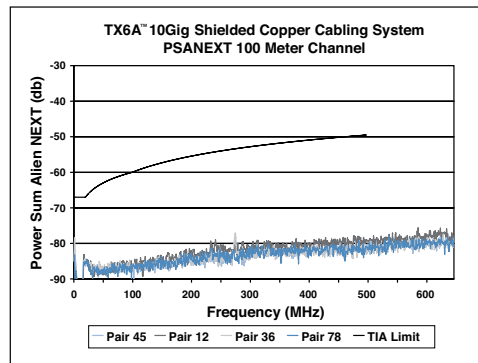
TX6A 10Gig Shielded Patch Cords are a component of the TX6A10Gig Shielded Copper Cabling System. This end-to-end system provides a cost effective medium for ensuring that network bandwidth needs are easily met today and tomorrow. This shielded cabling system provides high performance, excellent EMI suppression, 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, IEEE 802.3an-2006 and ANSI/TIA-568.2-D 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

ENGINEERING DRAWING



| 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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