

TX6A™ 10Gig™ UTP Patch Cords with MaTriX Technology

SPECIFICATIONS

Category 6A/Class E_A, UTP patch cords shall be constructed of 24 AWG stranded copper cable with an enhanced performance modular plug on each end. Copper conductors in patch cable shall be twisted in pairs and separated by a quadrant separator. All four pairs shall be surrounded by matrix tape and a flame retardant jacket. The patented matrix tape shall suppress alien crosstalk and allow 10 Gb/s transmission. Patch cord cable shall be offered in multiple colors and lengths for design flexibility with a strain relief boot on each modular plug. All patch cords shall be compatible with both T568A and T568B wiring schemes.



TECHNICAL INFORMATION

Category 6A/ Class E_A performance:	Exceeds all ANSI/TIA-568.2-D Category 6A and ISO 11801 Class E _A electrical performance requirements for frequencies up to 500 MHz
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:	Compliant with IEEE 802.3af / 802.3at and 802.3bt type 3 and type 4
c(UL)us compliance:	UL 1863 approved
RoHS compliance:	Compliant
Headroom warranty:	Guaranteed performance beyond the standard when a complete end-to-end TX6A 10Gig UTP Copper Cabling System is installed by a Panduit certified installer
Cable diameter:	0.275 in. (7.0mm) nominal

KEY FEATURES AND BENEFITS

100% performance tested:	Confidence that each patch cord delivers specified performance
MaTriX Technology:	Provides superior suppression of both PSANEXT and PSAACR-F; improves the installation flexibility by allowing cable combing in existing pathways without compromising performance
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
Key version available:	Color-specific keys with positive and negative keying features mechanically and visually distinguish connections to prevent unintentional insertion into unlike keyed or non-keyed ports, offering network design flexibility and versatility and accommodating discrete networks for enhanced security
Slender strain relief boot:	Provides easy access in high-density applications

APPLICATIONS

The TX6A 10Gig UTP Patch Cords with MaTriX Technology are a component of the TX6A 10Gig UTP Copper Cabling System. Interoperable and backward compatible, this end-to-end system provides design flexibility to protect network investments well into the future. Key applications include:

- 10GBASE-T Ethernet
- Data center I/O consolidation
- Data center server virtualization
- Consolidation of network interconnects
- Back-bone aggregation
- Parallel processing and high speed computing

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LSZH-1: UTP6AL*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 ^{^^^+}

*Feet 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), 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

◊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 1.5 meters or 49 feet are guaranteed to meet ISO component and both TIA and ISO channel requirements.



TX6A™ 10Gig™ UTP Patch Cords with MaTriX Technology are pre-labeled with the RapidID™ Network Mapping System to enable faster tracing, placing, and network documentation.

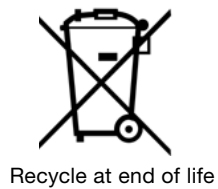
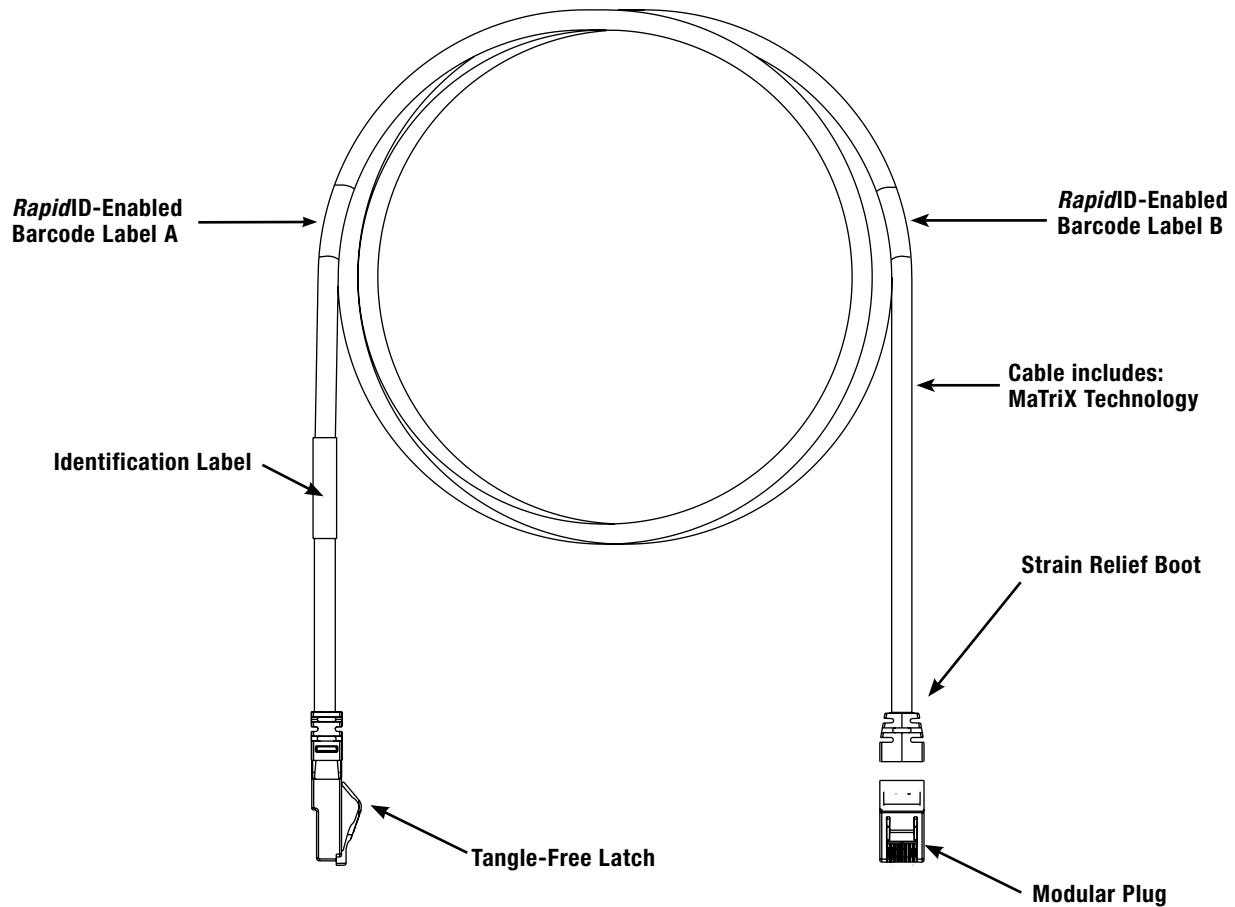
Learn more: www.panduit.com/rapid-id



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

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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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