TX6A™ 10Gig™ UTP Patch Cords with MaTriX Technology

PANDUIT®

specifications

Category 6A/Class E$_A$, UTP patch cords shall be constructed of 23 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 patent pending 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$_A$ channel performance:	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds the requirements of ANSI/TIA-568-C.2 Category 6A and ISO 11801 Class E$_A$ standards for supporting 10GBASE-T transmission over twisted-pair cabling systems as part of the Panduit® TX6A™ 10Gig™ UTP Copper Cabling System
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
FCC and ANSI compliance:	Meets all applicable ANSI/TIA-968-A requirements; contacts plated with 50 microinches of gold for superior performance
RoHS compliance:	Compliant
IEC compliance:	Meets IEC 60603-7
PoE compliance:	Meets requirements of IEEE 802.3af and IEEE 802.3at for PoE applications
UL rated:	UL 1863 approved
Flammability rating:	CM

key features and benefits

100% performance tested	Confidence that each patch cord delivers specified performance
MaTriX Technology (PATENT PENDING)	Provides superior suppression of both PSANEXT and PSAACR-F; improves the installation flexibility by allowing cable combing in existing pathways without compromising performance
Flexible cable design	Improved cable management in high density applications enabling easier installations
Center de-embedded plug	Performs in center of ANSI/TIA-568-C.2 component range ensuring interoperability and superior performance
Integral pair manager	Optimizes performance, consistency, and reliability by reducing untwist at plug
Patented tangle-free latch	Prevents snags and provides easy release, saving time and providing reliability on frequent moves, adds, and changes
Slender strain relief boot	Provides easy access in high-density applications
Robust construction	Rated to 2500 mating cycles
Identification	Provides identification of performance level, length, and quality control number for future traceability
Variety of cable colors and lengths	Meets individual length and color-coding requirements for greater system flexibility
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, versatility, and 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

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

www.panduit.com

TX6A™ 10Gig™ UTP Copper Cabling System with MaTriX Technology

TX6A™ 10Gig™ UTP Patch Cords with MaTriX Technology

Foot lengths:	UTP6A*BU
Meter lengths:	UTP6A**MBU

Mini-Com® TX6A™ 10Gig™ UTP Jack Module with MaTriX Split Foil Technology

Jack module:	CJ6X88TG***
Shuttered jack module:	CJD6X88TG***

TX6A™ 10Gig™ UTP Copper Cable with MaTriX Technology

Plenum:	PUP6A04^-UG
Riser:	PUR6A04^-UG
LSZH:	PUL6A04‡-+G
CM:	PUC6A04‡-+G

Mini-Com® Angled Flush Mount Modular Patch Panels

24-port, 1 RU:	CPPA24FMWBLY
48-port, 2 RU:	CPPA48FMWBLY

Mini-Com® Flat Flush Mount Modular Patch Panels

24-port, 1 RU:	CPP24FMWBLY
48-port, 2 RU:	CPP48FMWBLY
72-port, 2 RU:	CPP72FMWBLY

For additional modular patch panels reference www.panduit.com

Tools and Accessories

Patch cord removal tool:	PCRT1
Flashlight kit:	KPCRT1-FL
Patch cord color band:	PCBAND^^-Q
Standard RJ45 plug lock-in device:	PSL-DCPLX^^^
Recessed RJ45 plug lock-in device:	PSLDCPLRX^^^

*For lengths 3 to 20 feet (increments of one foot) 20, 25, 30, 35, or 40 feet change the length designation in part number to the desired length. For standard cable colors other than Off White, add suffix BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange), or VL (Violet) at the end of the part number. For example, the part number for a blue 15 foot patch cord is UTP6A15BU.
**For lengths 1 to 10 meters (increments of one meter) 1.5, 2.5, 15, 20, 25, 30, 35, 40 meters, change the length designation in part number to the desired length. For standard cable colors other than Off White, add suffix BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange), or VL (Violet) after the M in the part number. For example, the part number for a blue 15 meter patch cord is UTP6A15MBU.
***To designate color, add suffix IW (Off White), EI (Electric Ivory), WH (White), IG (International Gray), OR (Orange), RD (Red), BU (Blue), GR (Green), YL (Yellow), or VL (Violet).
^To designate color, add suffix BU (Blue), WH (White), YL (Yellow), or IG (International Gray).
‡To designate color, add suffix BU (Blue) or WH (White). For additional cable colors, contact customer service.
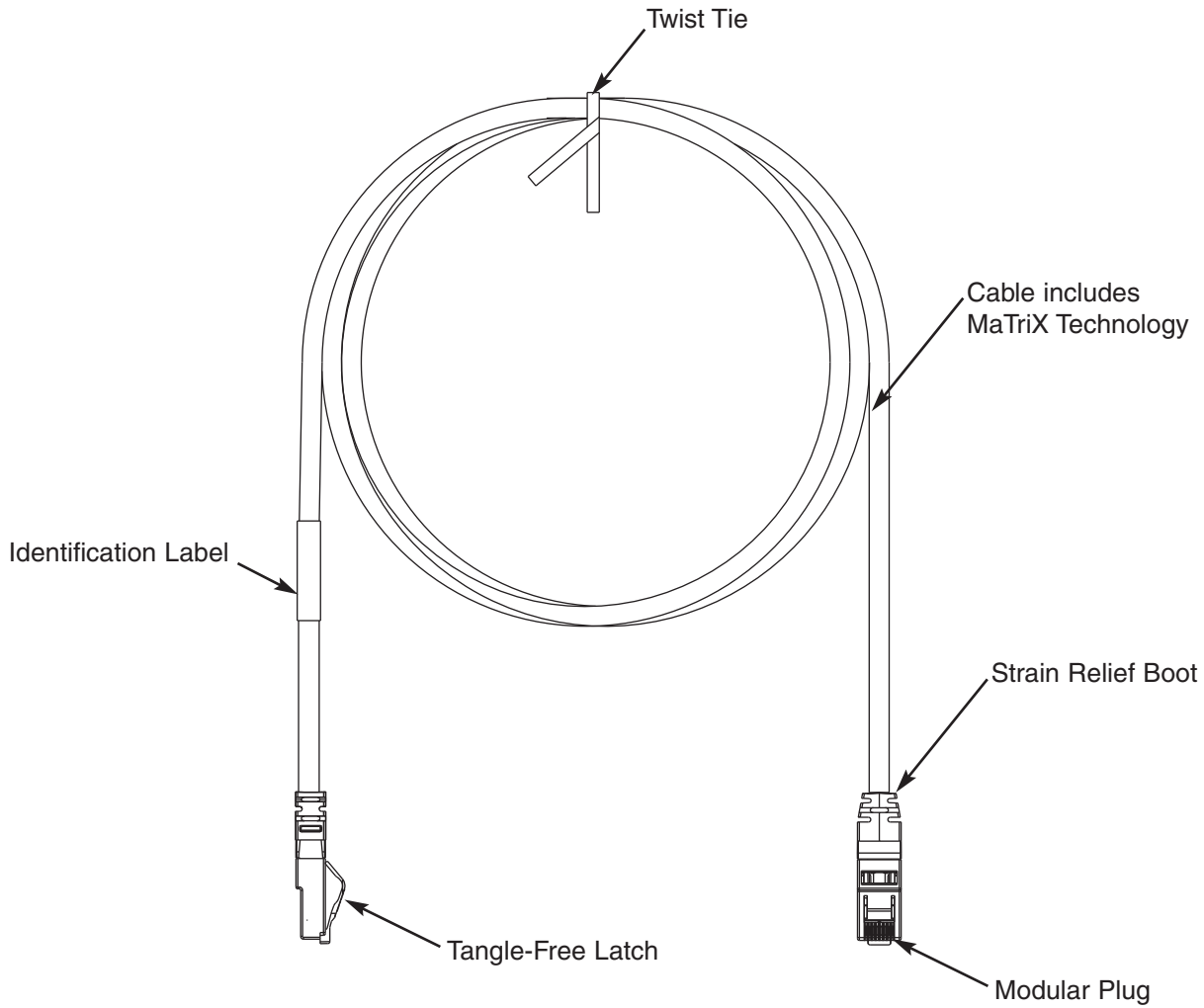+Add suffix E when ordering for countries in Europe, Middle East, or Africa.
^^To designate color, add suffix WH (White), EI (Electric Ivory), IG (International Gray), BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange), or VL (Violet) before – Q in part number. 25/package.
^^^For colors 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 patch cords, bulk packaged jack modules, and patch cords.

Twist Tie

Cable includes
MaTriX Technology

Identification Label

Strain Relief Boot

Tangle-Free Latch

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 a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information

Visit us at www.panduit.com

Contact Customer Service by email: cs@panduit.com
or by phone: 800-777-3300 and reference COSP142

PANDUIT®