

TX6A™ 10Gig UTP Patch Cords

specifications

Category 6A/Class E_A, UTP patch cords shall be constructed of 24 AWG solid 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 solid foil tape and a flame retardant jacket. The 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.
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:	0.250 in. (6.4mm) nominal
FCC and ANSI compliance:	Meets ANSI/TIA-1096-A requirements (formerly FCC Part 68); contacts plated with 50 microinches of gold for superior performance
RoHS compliance:	Compliant
IEC compliance:	Meets IEC 60603-7
PoE compliance:	Compliant with IEEE 802.3af / 802.3at and 802.3bt type 3 and type 4
UL rated:	UL 1863 approved
Flammability rating:	CM

key features and benefits

100% performance tested	Confidence that each patch cord delivers specified performance
Superior headroom warranty	Provides the highest margins above the industry standard for both electrical and alien crosstalk performance
Flexible cable design	Improved cable management in high density applications enabling easier installations
Center de-embedded plug	Performs in center of ANSI/TIA-568.2-D 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
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-28 Category 6A Performance 28 AWG Shielded Patch Cords support the following applications:

Key applications include:

- 10GBASE-T Ethernet
- Data center I/O Consolidation
- Data center server virtualization
- Backbone aggregation
- Parallel processing and high speed computing



TX6A 10Gig UTP 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

TX6A™ 10Gig UTP Patch Cords

Foot lengths:	UTP6AX*BU
Meter lengths:	UTP6AX**MBU
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-DCPLE^^^
Recessed RJ45 plug lock-in device:	PSL-DCPLRE^^^

*For lengths, 1 to 29 feet (increments of 1 foot), 30-50 feet (in 5 foot increments) change the length designation in part number to the desired length. For standard cable colors other than Blue, replace suffix; BL (Black), GY (Gray), GR (Green), RD (Red), YL (Yellow), OR (Orange), VL (Violet), or Blank (Off White). For example, the part number for a Black 15 foot patch cord is UTP6AX15BL.

*For lengths, 0.2m, 0.5m-5m (in 0.5m increments), 6m-15m (in 1m increments), and 20m change the length designation in part number to the desired length. For standard cable colors other than blue, replace suffix; BL (Black), GY (Gray), GR (Green), RD (Red), YL (Yellow), OR (Orange), VL (Violet), or Blank (Off White). For example, the part number for a Black 15 meter patch cord is UTP6AX15MBL.

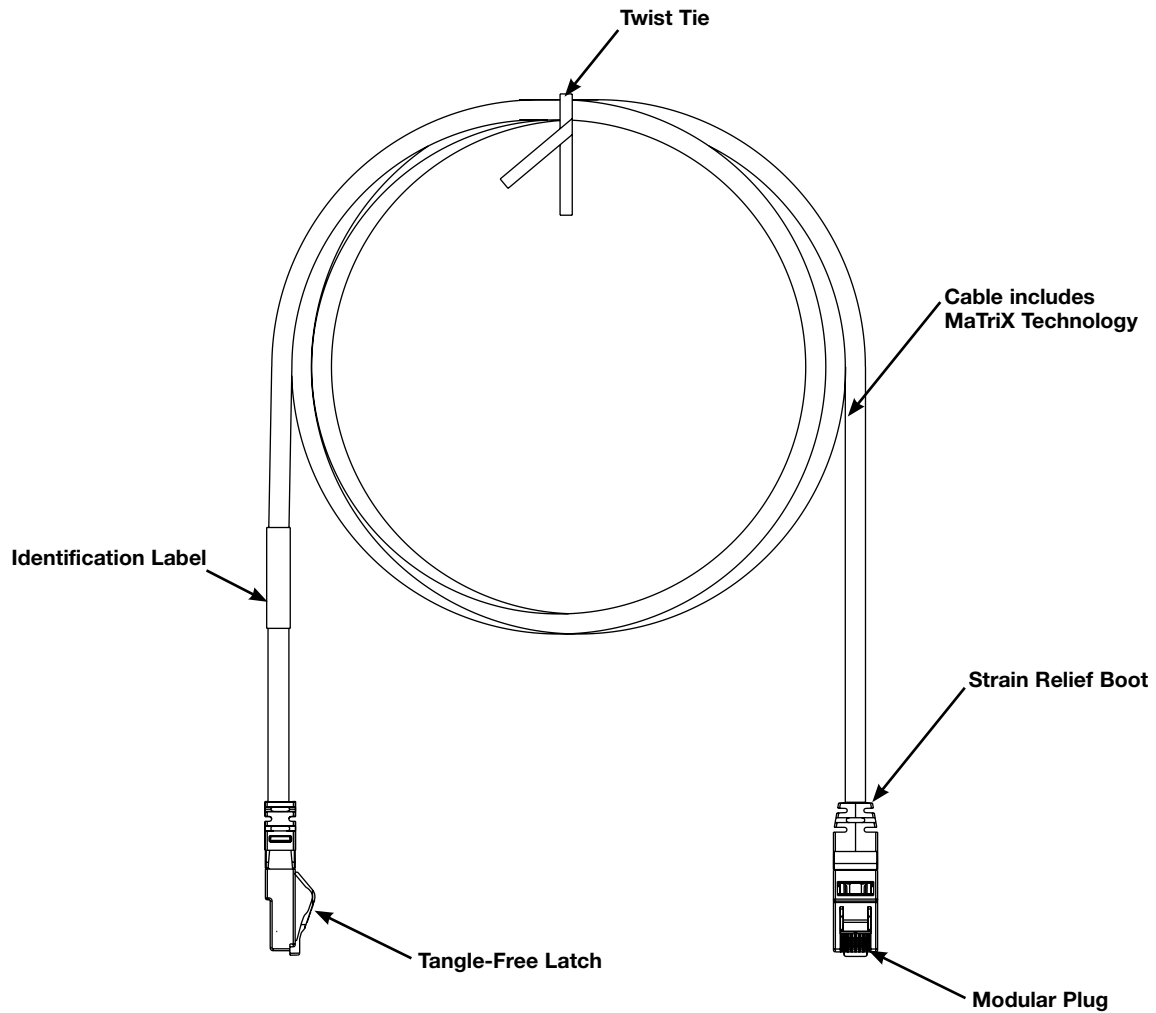
^^To designate color, add suffix WH (White), EI (Electric Ivory), IG (International Gray), BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange), or VL (Violet) before - Q in part number. 25/package.

^^^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.

∅Lengths 1m to 15m or 6 inch to 49 feet are guaranteed to meet TIA and ISO component and channel requirements. Lengths greater than 15m or 49 feet are guaranteed to meet ISO component and both TIA and ISO channel requirements.

TX6A™ 10Gig UTP Patch Cords

Component Drawing of Patch Cord



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



Recycle at end of life

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT US/CANADA
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
Phone: 61.3.9794.9020

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

© 2022 Panduit Corp.
 ALL RIGHTS RESERVED.
 COSP496--WW-ENG
 8/2022