

TX6A-SD™ 10Gig™ UTP Patch Cords with MaTriX Technology

specifications

Category 6A/Class E_A, UTP patch cords shall be constructed of 26 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.



technical information

Category 6A/Class E_A channel performance: Certified channel performance in a 4-connector configuration up to 70 meters as part of the TX6A-SD™ 10Gig™ UTP Copper Cabling System. Exceeds the electrical and alien crosstalk performance 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. TX6A-SD™ 10Gig™ UTP Patch Cords with MaTriX Technology support 4-connector configurations up to 100 meters, as part of the TX6A™ 10Gig™ UTP Copper Cabling System.

Attenuation de-rating factor: 1.5

Cable diameter: 0.240 in. (6.1mm) nominal

FCC and ANSI compliance: Meets ANSI/TIA-1096-A; contacts are plated with 50 microinches of gold for superior performance

IEC compliance: Meets IEC 60603-7

RoHS compliance: Compliant

Operating temperature: 14°F to 140°F (-10°C to 60°C)


Storage temperature: -40°F to 158°F (-40°C to 70°C)

PoE compliance: Meets IEEE 802.3af and IEEE 802.3at for PoE applications

C(UL)US listed: UL 1863, CSA standard C22.2

Flammability rating: CM or LSZH

key features and benefits

| | |
|--|---|
| Interoperable | Compatible with components of the TX6A™ 10Gig™ UTP Copper Cabling System for increased design flexibility in channels up to 100 meters |
| 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 |
| Smaller cable diameter than most Category 6 patch cords and flexible cable design | Improved cable routing and management in high density applications enabling easier installations |
| 100% performance tested for wire map, NEXT and return loss | Confidence that each patch cord delivers critical component level performance |
| Superior headroom warranty | Provides the highest margins above the industry standard for both electrical and alien crosstalk performance |
| 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 |
| 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-SD™ 10Gig™ UTP Patch Cords is a component of the TX6A-SD™ and TX6A™ 10Gig™ Copper Cabling Systems with MaTriX Technology. Interoperable and backward compatible, these end-to-end systems provide 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
- Back-bone aggregation
- Parallel processing and high speed computing

www.panduit.com

PANDUIT®

SPECIFICATION SHEET

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

TX6A-SD™ 10Gig™ UTP Patch Cords with MaTriX Technology

CM (foot lengths): UTP6ASD^BU
CM (meter lengths): UTP6ASD^MBU
LSZH (meter lengths): UTP6ASDL^MBU

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

Jack module: CJ6X88TG*
Shuttered jack module: CJD6X88TG*

TX6A-SD™ 10Gig™ UTP Copper Cable with MaTriX Technology (70 meter solution)

Plenum: PUP6ASD04*-UG
Riser: PUR6ASD04*-CG
LSZH (60332-1): PUL6ASD04*-EG
LSZH (60332-3): PUZ6ASD04*-EG
CM: PUC6ASD04*-EG

TX6A™ 10Gig™ UTP Copper Cable with MaTriX Technology (100 meter solution)

Plenum: PUP6A04*-UG
Riser: PUR6A04*-UG†
LSZH (60332-1): PUL6A04*-CEG
LSZH (60332-3): PUZ6A04*-EG
CM: PUC6A04*-EG

Mini-Com® Angled Modular Patch Panels

24-port, 1 RU: CPPA24FMWBLY
48-port, 2 RU: CPPA48FMWBLY
72-port, 2 RU: CPPLA72WBLY

Mini-Com® Flat Modular Patch Panels

24-port, 1 RU: CPP24FMWBLY
48-port, 1 RU: CPP48HDWBLY
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: PSL-DCPLRX‡

^ 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), GY (Gray) or VL (Violet) at the end of the part number. For example, the part number for a blue, 15-foot patch cord is UTP6ASD15BU.

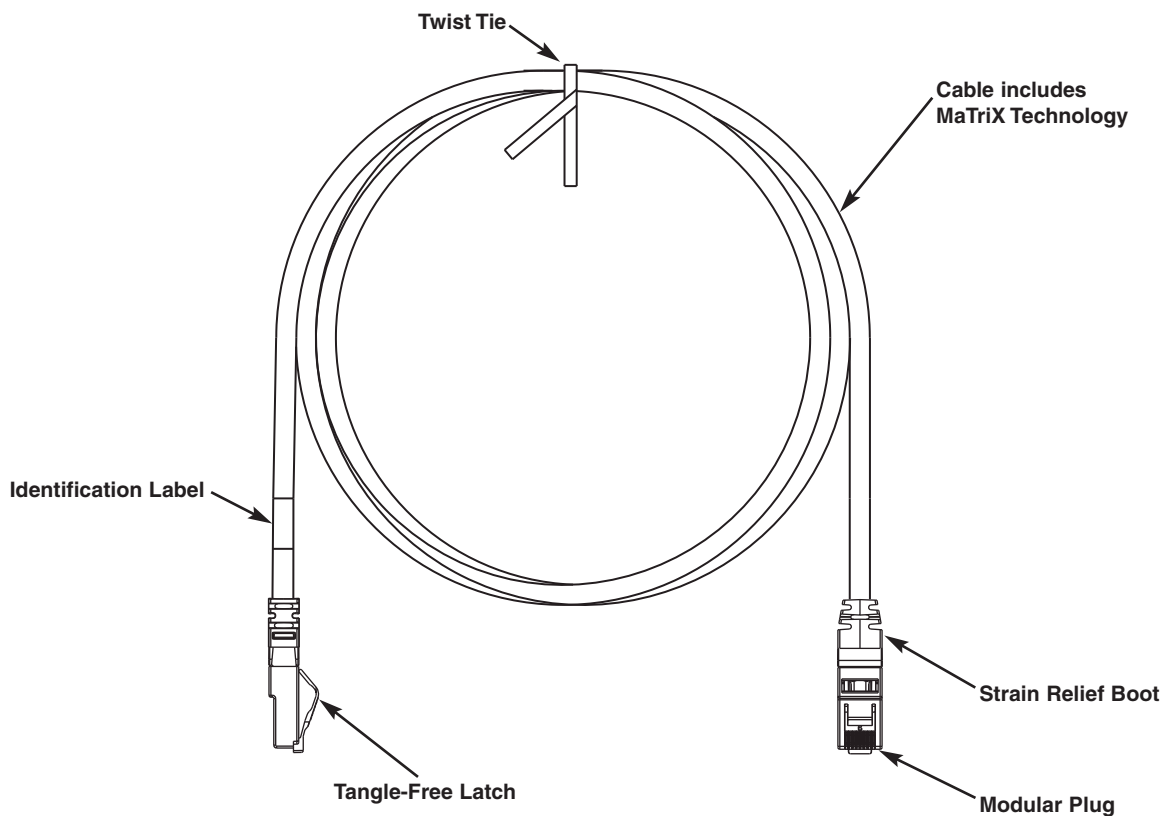
^^ For lengths 1, 1.5, 2, 2.5, 3, 5, 6, 7 meters, change the length designation in the part number to the desired length. For standard cable colors other than Off White, add suffix BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange), GY (Gray) or VL (Violet). For example, the part number for a blue, 5-meter patch cord is UTP6ASD5MBU.

* To designate color, add suffix IW (Off White), EI (Electric Ivory), AW (Arctic White), BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange), IG (International Gray), or VL (Violet).
† 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.

** To designate color, add suffix WH (White), EI (Electric Ivory), IG (Int'l 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 connectivity, bulk packaged jack modules and patch cords.

TX6A-SD™ 10Gig™ UTP Patch Cords with MaTriX Technology



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 |

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT CANADA
Markham, Ontario
cs-cdn@panduit.com
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
cs-emea@panduit.com
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
cs-ap@panduit.com
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
cs-japan@panduit.com
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
cs-la@panduit.com
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
cs-aus@panduit.com
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

PANDUIT®

©2013 Panduit Corp.
ALL RIGHTS RESERVED.
COSP300--WW-ENG
Replaces SA-COSP194
8/2013

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Ethernet Cables / Networking Cables](#) category:

Click to view products by [Panduit](#) manufacturer:

Other Similar products are found below :

[0152660053](#) [73-7797-25](#) [73-8890-10](#) [73-8890-14](#) [73-8891-14](#) [73-8891-25](#) [73-8892-50](#) [73-8894-10](#) [73-8894-3](#) [73-8895-14](#) [73-8896-7](#)
[MCJB2-10P6Q7-120](#) [84909-0204](#) [1200650742](#) [1200700174](#) [1200860368](#) [1200650013](#) [1201080008](#) [1-21919-1](#) [1300500373](#) [1300101844](#)
[1300101845](#) [130050-0004](#) [1300500014](#) [1410147](#) [E16A06002M030](#) [E200102-009-S1](#) [MT14-187L](#) [17-103530](#) [NK5EPC18RDY](#)
[NK5EPC18VLY](#) [NK5EPC18YLY](#) [NK5EPC1GRY](#) [NK5EPC30BLY](#) [NK5EPC30VLY](#) [NK5EPC30YLY](#) [NK5EPC4Y](#) [NK5EPC6YLY](#)
[NK5EPC8BLY](#) [NK5EPC9YLY](#) [NK6PC30BUY](#) [NK6PC30GRY](#) [NK6PC30RDY](#) [NK6PC30Y](#) [NK6PC30YLY](#) [1969343-6](#) [C501100010](#)
[C501106002](#) [C501106007](#) [C501106015](#)