

TX6A™ Shielded Copper Cable – U/FTP

PANDUIT®

SPECIFICATION SHEET

specifications

Category 6A/Class EA, shielded copper cable shall be constructed of 4-pair twisted insulated 23 AWG conductors. Each individual pair shall have a metallic foil shield and all four pairs shall be covered with a flame retardant PVC jacket. The shielded cable shall provide superior alien crosstalk performance. The TX6A™ Shielded Cable must be installed as part of the TX6A™ Shielded Copper Cabling System to achieve certified 10GBASE-T performance.



technical information

| | |
|--------------------------------|---|
| Electrical performance: | Certified channel performance in a 4-connector configuration up to 100 meters and exceeds the requirements of ANSI/TIA-568.2-D Category 6A ISO 11801 Class EA Edition 2.1 and IEEE 802.3an-2006 standards for supporting 10GBASE-T transmission over copper twisted pair cabling when used as part of the Panduit® TX6A™ Shielded Copper Cabling System |
| Cable jacket: | 100% low-smoke, flame retardant PVC |
| Insulation diameter: | Plenum – 0.054-0.060 in. (1.37-1.52mm) Riser – 0.053-0.059 in. (1.35-1.50mm) |
| Flame rating: | Plenum – meets NEC type CMP (UL) – FT6 rated Riser – meets NEC type CMR (UL) – FT4 rated |
| Standards Compliance: | UL Listed CMP-LP (0.8A) and CMR-LP(0.5A) |
| PoE Compliance: | Meets IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt for PoE applications |
| Installation tension: | 25 lbs. (110 N) maximum |
| Temperature rating: | 32° to 140°F (0° to 60°C) during installation 14° to 167°F (-10° to 75°C) during operation (CMR) 14° to 221°F (-10° to 105°C) during operation (CMP) |
| Cable diameter: | Plenum – 0.295 in. (7.5mm) nominal Riser – 0.308 in. (7.8mm) nominal |
| Packaging: | 1,000 ft. (305M) per reel Plenum – 45 lbs. (20.4kg) Riser – 50 lbs. (22.6kg) |

key features and benefits

| | |
|---|--|
| Third party tested | Cable has been tested as part of the TX6A™ Copper Cabling System by an independent laboratory and complies with the electrical channel requirements of the following standards: ISO/IEC 11801 2nd Edition: 2002, EN 50173-1:2002, and ANSI/TIA-568.2-D |
| Performance exceeding standards | Guaranteed channel performance above the standards Industry leading channel performance above the TIA/ISO standards with headroom guarantee |
| Bulk packaging | Supplied 1000 ft. (305m) to a reel |
| Descending length cable markings | Easy identification of remaining cable reduces installation time and cable scrap |

applications

TX6A™ Shielded Cable is a component of the TX6A™ 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. Usage of the TX6A™ Shielded Copper Cabling

System includes high bandwidth applications within data centers and connections to high-end workstations such as:

- Stacking switches and switch-to-switch links
- Storage area networks
- Aggregation of Gigabit Ethernet channels
- Real-time intensive financial transactions
- Streaming video
- Animation
- Scientific modeling
- Medical imaging

TX6A™ Shielded Copper Cabling – U/FTP*

Plenum: PUF6X04BU-UG

Riser: PUFR6X04BU-UG

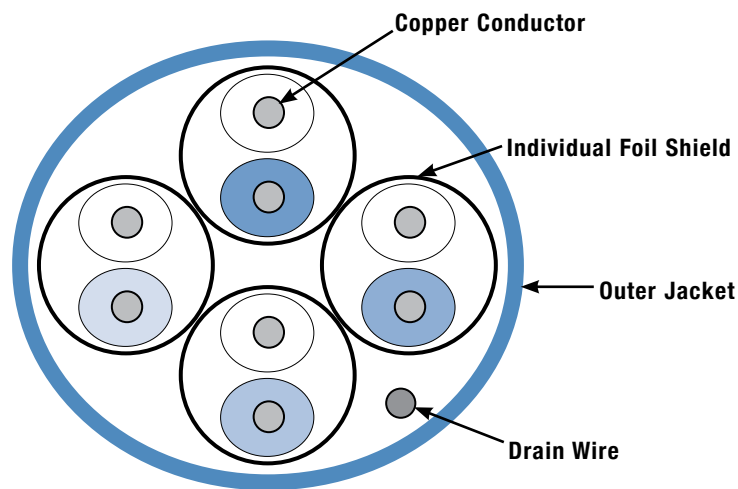
*For colors other than BU (Blue), substitute with WH (White). For additional cable colors, please contact customer service.

TX6A™ Shielded Copper Cable – U/FTP

additional specifications

| Mechanical Test | |
|---------------------------------------|--|
| Ultimate Breaking Strength | >400 N (90 lbs. – ft.) |
| Minimum Bend Radius | 31.48mm (1.24 in.) |
| Electrical Test | |
| DC Resistance | 6.82 ohm per 100m (238 ft.) |
| DC Resistance Unbalanced | < 3% @ 20°C per ASTM 4568 |
| Characteristic Impedance | 100 ohms + 15% from 1 to 600 MHz per ASTM D 4566 |
| Nominal Propagation of Velocity (NVP) | CMP: 78%, CMR: 75% nominal |
| Operating Voltage, Maximum | 80V |

cable construction



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

PANDUIT®

For more information
Visit us at www.panduit.com
Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

© 2021 Panduit Corp.
ALL RIGHTS RESERVED.
COSP55--WW-ENG
Replaces WW-COSP149-ENG
9/2021