

TX7000™ Shielded Copper Cable – S/FTP

PANDUIT®

SPECIFICATION SHEET

specifications

Category 7 cable shall meet the IEC 61156-5 Class F component standard. The conductors shall be 23 AWG construction with foamed skin PE insulation. The copper conductors shall be twisted in pairs each covered by a foil shield within an overall braided shield and a low smoke zero halogen (LSZH) jacket.



technical information

Electrical performance:	Certified performance in a 4-conductor channel up to 100 meters and exceeds the requirements of the ANSI/TIA-568-C.2 Category 6A, ISO 11801 Class EA Edition 2.1, and IEEE 802.3an supporting 10GBASE-T transmission over twisted-pair cabling systems when used as part of the Panduit® TX6A™ 10Gig™ Shielded Copper Cabling System Certified component performance up to 100 meters and meets or exceeds the component requirement of the IEC 61156-5 Category 7 standard
Conductor/insulator:	23 AWG solid copper with foamed skin PE
Flame rating:	IEC 60754-2, IEC 61034, IEC 60332-1-24, EN50575: Euroclass Eca
PoE compliance:	Meets IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt for PoE applications
Installation tension:	110N (25 lbf) maximum
Temperature rating:	0° to 50°C (32° to 122°F) during installation -20° to 60°C (-4° to 140°F) during operation
Cable jacket:	LSZH
Cable diameter:	7.3mm (0.287 in.) nominal
Cable weight:	26.7 kg/500m (60 lbs./1640 ft.) Packaged tested to ISTA procedure 1A
Packaging:	500m (1640 ft.) on a reel, 28.7 kg/500m (63 lbs./1640 ft.) Packaged tested to ISTA procedure 1A

key features and benefits

Individually foiled	Prevents the coupling near-end crosstalk and alien crosstalk between twisted pairs to ensure 10GBASE-T transmission performance
Braided shield	Provides superior structural integrity and reduces low frequency external interference to ensure exceptional cable performance at all swept frequencies up to 600 MHz
Descending length cable markings	Easy identification of remaining cable reduces installation time and cable scrap
Bulk packaging	Supplied 500 meters to a reel

applications

TX7000™ Shielded Copper Cable is a component of the TX6A™ 10Gig™ Shielded Copper Cabling System. This end-to-end system provides a cost effective media for ensuring that the most challenging network bandwidth needs are easily met today and tomorrow. Businesses are placing increased reliance on their networks to efficiently pass vital and time sensitive information throughout their enterprise. Usage of TX6A™ 10Gig™ Shielded Copper Cabling System include:

- Data center high bandwidth applications for switch-to-switch links, storage area networks aggregation of data
- 3-D modeling and work group file transfer
- Web-enabling applications, such as Voice over Internet Protocol (VoIP) and live video/audio broadcasting

TX6A™ 10Gig™ Shielded Copper Cabling System

TX7000™ Shielded Copper Cable

LSZH: PSL7004*-KD

Mini-Cor® TX6A™ 10Gig™ Shielded Jack Module

Jack module: CJS6X88TG

TX6A™ 10Gig™ Shielded Patch Cords

Meters: STP6X**MIG
Feet: STP6X***IG

Mini-Cor® All Metal Angled Modular Patch Panels

24-port, 1 RU: CPA24BLY
48-port, 2 RU: CPA48BLY
72-port, 2 RU: CPA72BLY

Mini-Cor® All Metal Flat Modular Patch Panels

24-port, 1 RU: CP24BLY
48-port, 2 RU: CP48BLY
72-port, 2 RU: CP72BLY

Cable Prep Tools

Wire stripping tool: CWST
Wire stripping tool: CJUST

*To designate color, add suffix WH (White), DG (Dark Gray), IG (International Gray), and LG (Light Gray). For additional cable colors, contact customer service.

**For lengths 1 to 10 meters (increments of one meter) and 1.5, 2.5, 15, 20 meters, change the length designation in the part number to the desired length. For standard cable colors other than IG (International Gray) substitute IG suffix with BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange), or VL (Violet) to the end of the part number. For example, the part number for a blue, 15-meter patch cord is STP6X15MBU.

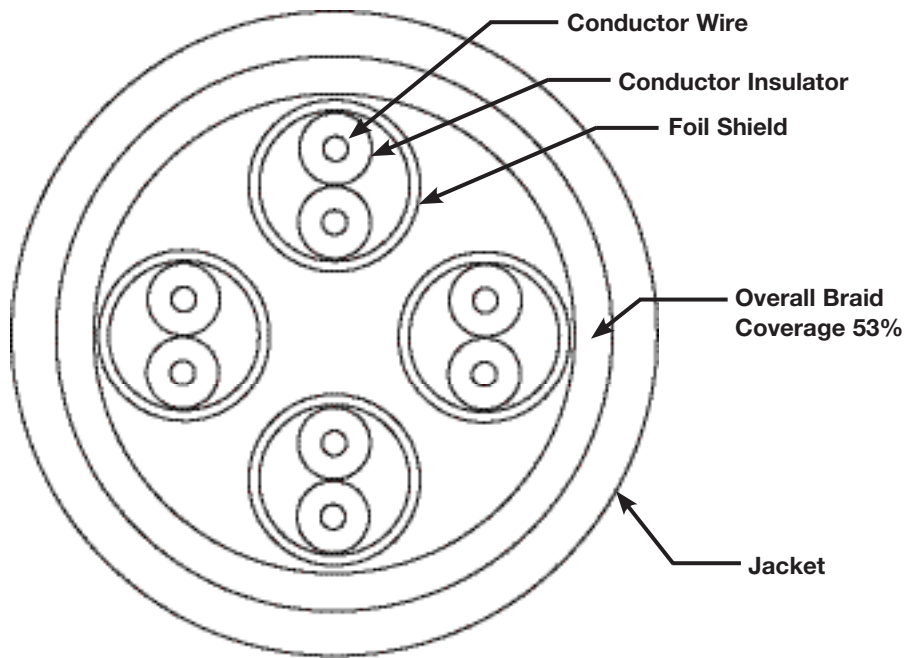
***For lengths 3 to 20 feet (increments of one foot) and 25, 30, 35, 40 feet, change the length designation in the part number to the desired length. For standard cable colors other than IG (International Gray) substitute IG Suffix with BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange), or VL (Violet) to the end of the part number. For example, the part number for a blue, 15-foot patch cord is STP6X16BU.

TX7000™ Shielded Copper Cable – S/FTP

additional specifications

Mechanical Test	
Ultimate Breaking Strength	>400 N (90 lbf.)
Minimum Bend Radius	8 x cable diameter
Electrical Test	
DC Resistance	≤165 ohm per km
Loop Resistance Unbalance	<2%
Mutual Capacitance	nominal 43 nF/km at 800 MHz
Capacitance Unbalance	≤1500 pF/km (pair/ground)
Characteristic Impedance	100 ± 15 ohm up to 100 MHz
Nominal Velocity of Propagation (NVP)	79% nominal

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

For more information
Visit us at www.panduit.com

Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

PANDUIT®

© 2019 Panduit Corp.
ALL RIGHTS RESERVED.
COSP475--WW-ENG
Replaces WW-COSP397
10/2019