

TX6™ Category 6 Shielded F/UTP Copper Cable – Europe

PANDUIT™

SPECIFICATION SHEET

specifications

Category 6 cable shall be constructed of 24 AWG copper conductors with PE insulation. The copper conductors shall be twisted in pairs and separated by an integrated pair separator. All four pairs shall be surrounded by an overall metallic foil shield within a LSFRZH jacket.



technical information

Electrical performance:	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds the requirements of ISO 11801 Class E and ANSI/TIA-568-C.2 Category 6 standards for swept frequencies up to 250 MHz Certified component performance up to 100 meters and exceeds the component requirements of ANSI/TIA-568-C.2 and IEC 61156-5 Category 6 components standards at swept frequencies up to 250 MHz
Conductors/insulators:	24 AWG solid bare copper wire covered by PE insulation
Insulation diameters:	1.02-1.12mm (0.040-0.044 in.)
Flame rating:	EN50575: Euroclass Cca-s1a-d1-a1
PoE compliance:	Meets IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt for PoE applications
Installation tension:	110 N (25 lbf) maximum
Temperature rating:	0°C to 50°C (32°F to 122°F) during installation -20°C to 75°C (-4°F to 167°F) during operation
Cable jacket:	LSFRZH
Cable diameter:	7.6mm (0.299 in.) nominal
Cable weight:	30 kg/500m (67 lbs./1640 ft.)
Packaging:	500m (1640ft) on a reel Packaged tested to ISTA Procedure 1A

key features and benefits

Integrated pair divider:	Separates pairs for exceptional cable performance
Overall metallic foil shield:	Provides superior structural integrity and reduces low frequency external interference to ensure exceptional cable performance at all swept frequencies up to 250 MHz
Internal drain wire:	Facilitates means of grounding the cable and provides for efficient performance and protection of network investment
Descending length cable markings:	Easy identification of remaining cable reduces installation time and cable scrap
Bulk packaging:	Supplied 500m (1640 ft.) on a reel for ease of installation

applications

TX6™ Shielded Copper Cable is a component of the Panduit® TX6™ Shielded Copper Cabling System. Interoperable and backward compatible, this end-to-end system provides design flexibility to protect network investments well into the future. With certified performance to the ISO 11801 Class E and ANSI/TIA-568-C.2 Category 6 standards.

Usage of the TX6™ Shielded Copper Cabling System includes:

- Ethernet 10BASE-T
- 100BASE-T (Fast Ethernet)
- 1000BASE-T (Gigabit Ethernet)

TX6™ Shielded Copper Cabling System

TX6™ Shielded Copper Cable – F/UTP

LSFRZH: PFY6C04*-CED

TX6™ PLUS Shielded Jack Module

Jack module: CJS688TGY

TX6™ 10Gig™ Shielded Patch Cords

Meters: STP6X**MIG

Feet: STP6X***IG

Mini-Com® Angled All Metal Shielded Modular Patch Panels

24-port, 1 RU: CPA24BLY

48-port, 2 RU: CPA48BLY

72-port, 2 RU: CPA72BLY

Mini-Com® Flat All Metal Shielded Modular Patch Panels

24-port, 1 RU: CP24BLY

48-port, 2 RU: CP48BLY

72-port, 2 RU: CP72BLY

Cable Prep Tools

Wire snipping tool: CWST

Wire stripping tool: CJAST

*To designate cable color, add suffix WH (White). For additional cable colors, contact customer service.

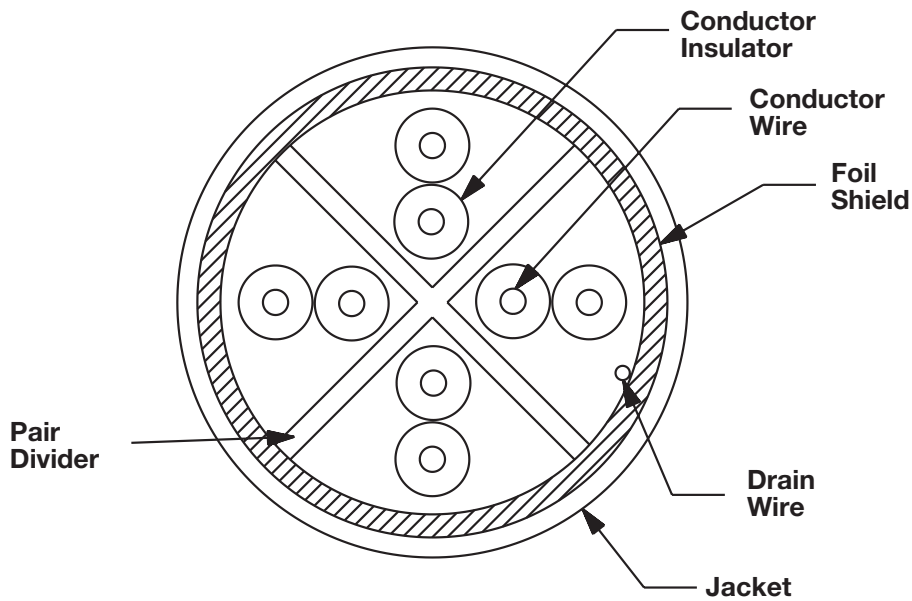
**For lengths 1 to 10 meters (increments of one meter) and 1.5, 2.5, 15, 20 meters, change the length designation in the part number to desired length. For standard cable colors other than IG (International Gray) substitute IG suffix with BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange) 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 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 STP6X15BU.

TX6™ Category 6 Shielded F/UTP Copper Cable – Europe

Mechanical Test	
Ultimate Breaking Strength	>400 N (90 lbf)
Minimum Bend Radius	8 x cable diameter
Electrical Test	
Nominal Velocity of Propagation (NVP)	65% 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

For more information

Visit us at www.panduit.com

PANDUIT™

©2018 Panduit Corp.
ALL RIGHTS RESERVED.
COSP411--SA-ENG
Replaces COSP188
7/2018