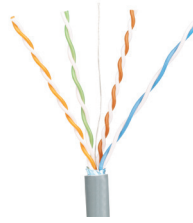# TX5500™ Shielded Copper Cable – F/UTP

PANDUIT®

specifications

Category 5e cable shall exceed ANSI/TIA-568.2-D and IEC 61156-5 Category 5e component standards. The conductors shall be 24 AWG construction and the twisted pairs shall be wrapped in an overall metallic foil within a LSZH or PVC jacket.

technical information

Electrical performance:	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds ISO 11801 Class D and ANSI/TIA-568.2-D Category 5e standards at swept frequencies up to 100 MHz
	Certified component performance up to 100 meters and exceeds the component requirement of IEC 61156-5 and ANSI/TIA-568.2-D Category 5e component standards at swept frequencies up to 100 MHz
Conductors/insulators:	24 AWG solid copper with polyethylene (PE) insulation
Flame rating:	IEC 60332-1, IEC 60754-1, IEC 60754-2, IEC 61034-2, EN50575: Euroclass Eca
Installation tension:	110 N (25 lbf) maximum
PoE compliance:	Meets IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt for PoE applications
Temperature rating:	0°C to 50°C (32°F to 122°F) during installation -20°C to 60°C (-4°F to 140°F) during operation
Cable jacket:	LSZH – Low Smoke Zero Halogen
Cable diameter:	6.0mm (0.236 in.) nominal
Cable weight:	12.2 kg/305m (26.9 lbs./1000 ft.)
Packaging:	305m (1000 ft.) in a carton Package tested to ISTA procedure 1A

key features and benefits

Foil shield	Reduces ingress of EMI interference to ensure cable performance at high frequency levels
Descending length cable markings	Easy identification of remaining cable reduces installation time and cable scrap

applications

TX5500™ Shielded F/UTP Copper Cable is a component of the Panduit® TX5500™ Copper Cabling System. The TX5500™ System provides end-to-end Gigabit Ethernet performance with usable bandwidth beyond 100 MHz. With certified performance to ANSI/TIA-568.2-D Category 5e and ISO 11801 Class D standards, this system will support the following applications:
• Ethernet 10 BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet)
• 115 Mb/s ATM, 622 Mb/s ATM
• Token Ring 4/16

TX5500™ Shielded Copper Cabling System	
TX5500™ Shielded F/UTP Copper Cable	
LSZH:	PFL5504*-KG
Mini-Com® TX5e™ Shielded Jack Module	
Jack Module:	CJS5E88TGY
TX5e™ Shielded CM/LSZH Patch Cords	
Meters:	STPCH**MBBL
Mini-Com® All Metal Angled Patch Panels	
24-port, 1 RU:	CPA24BLY
48-port, 2 RU:	CPA48BLY
48-port, 2 RU:	CPA72BLY
Mini-Com® All Metal Flat 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

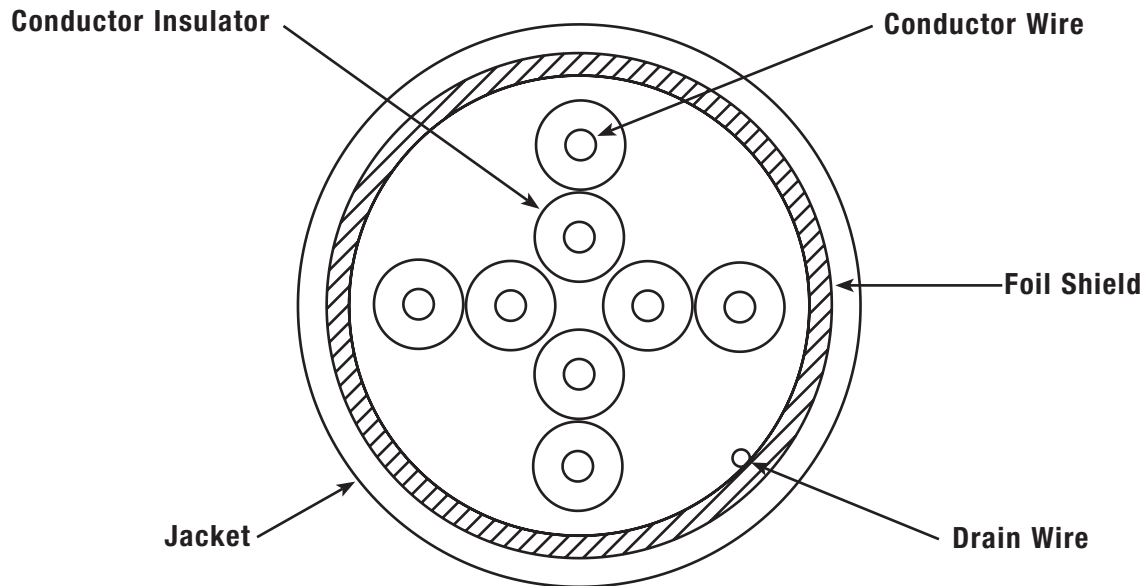*To designate color, replace asterisk with color. For cable colors, contact customer service.

**For lengths 1 to 10 meters (increments of one meter) and 0.5, 1.5, 2.5, 15, 20 meters, change the length designation in the part number to the desired length. For boot colors other than Black replace suffix BL (Black) with BU (Blue), RD (Red), GR (Green), YL (Yellow), OR (Orange), or VL (Violet). For example, the part number for a 15-meter patch cord with blue boots is STPCH15MBBU.

TX5500™ Shielded Copper Cable – F/UTP

additional specifications

Mechanical Test	
Ultimate Breaking Strength	>400 N (90 lbf.)
Minimum Bend Radius	4 x cable diameter with load 8 x cable diameter without load
Electrical Test	
Nominal Velocity of Propagation (NVP)	67%

cable construction

Conductor Insulator

Conductor Wire

Foil Shield

Jacket

Drain Wire

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

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