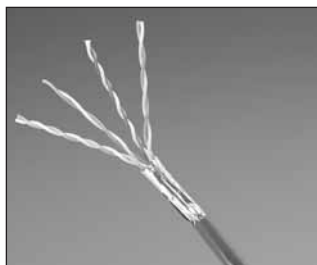


## specifications

The FTP shielded cable is constructed of 4-twisted pair 24 AWG conductors. The twisted pairs are wrapped in an overall metallic foil and the cable has a drain wire to ground the cable to a main electrical ground within the cabling system.



## technical information

<b>Class D/Category 5e channel performance:</b>	Exceeds all ISO 11801 2 <sup>nd</sup> Edition Class D and TIA/EIA-568-B.2 Category 5e channel standard requirements at swept frequencies up to 100 MHz
<b>Class D/Category 5e component performance:</b>	Exceeds all ISO 11801 2 <sup>nd</sup> Edition Class D and TIA/EIA-568-B.2 Category 5e component standard requirements at swept frequencies up to 100 MHz
<b>Cable conductors:</b>	Polyethylene (PE) insulation
<b>Cable jacket:</b>	LSZH – low smoke zero halogen (dark grey) PVC – low smoke flame retardant PVC (light grey)
<b>Cable diameter:</b>	7.87mm
<b>Flame rating:</b>	LSZH – IEC 60332-1 rated PVC – NEC type CM (UL)
<b>Temperature rating:</b>	0° to 60° C during installation -20° to 60° C during operation
<b>Installation tension:</b>	110N maximum

## key features and benefits

<b>Foil shield</b>	Reduces the affects of EMI to ensure cable performance at high frequency levels
<b>Drain wire</b>	Provides the means for earthing the shielded cable to a main electrical earth within the cabling system to protect the network
<b>Bulk packaging</b>	500 m – per reel
<b>"Descending length" cable markings</b>	Easy identification of remaining cable reduces installation time

## applications

The TX5500™ Shielded Copper Cable is a component of the TX5500™ Shielded Copper Cabling System. The PANDUIT™ TX5500™ Shielded System is an end-to-end system that delivers Gigabit Ethernet performance with usable bandwidth beyond 100 MHz. With certified performance to the ISO 11801 Class D and TIA/EIA-568-B.2 Category 5e standards, this system will support the following applications:

- Ethernet 10Base-T, 100Base-T (Fast Ethernet), 1000Base-T (Gigabit Ethernet)
- 155 Mb/s ATM, 622 Mb/s ATM
- Token Ring 4/16
- Voice/data systems
- Voice over internet protocol (VoIP)

### TX5500™ Shielded Copper Cabling System

#### TX5500™ Shielded Cable - FTP

<b>LSZH:</b>	PFL5504DG-ED
<b>PVC:</b>	PFC5504LG-ED

#### TX5500™ Shielded Cable - S/FTP

<b>LSZH:</b>	PSFL5504DG-ED
<b>PVC:</b>	PSFC5504LG-ED

#### MINI-CoM™ TX5e™ Shielded Jack Module\*

<b>Module:</b>	CJS5E88TGY
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#### MINI-CoM™ Flat All Metal Modular Patch Panels

<b>24 port, 1RU:</b>	CP24BLY
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<b>48 port, 2RU:</b>	CP48BLY
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<b>72 port, 2RU:</b>	CP72BLY
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#### MINI-CoM™ Angled All Metal Modular Patch Panels

<b>24 port, 1RU:</b>	CPA24BLY
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<b>48 port, 2RU:</b>	CPA48BLY
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<b>72 port, 2RU:</b>	CPA72BLY
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#### TX5e™ Shielded Patch Cords\*\*

<b>1 metre:</b>	STPCH1MDDL
<b>1.5 metres:</b>	STPCH1.5MDDL
<b>2 metres:</b>	STPCH2MDDL
<b>2.5 metres:</b>	STPCH2.5MDDL
<b>3 metres:</b>	STPCH3MDDL
<b>5 metres:</b>	STPCH5MDDL
<b>7 metres:</b>	STPCH7MDDL

#### Termination Tools

##### Jack module termination

<b>tool:***</b>	EGJT
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##### Wire snipping

<b>tool:</b>	CWST
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##### Wire stripping

<b>tool:</b>	CJAST
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\*Offered in Black only

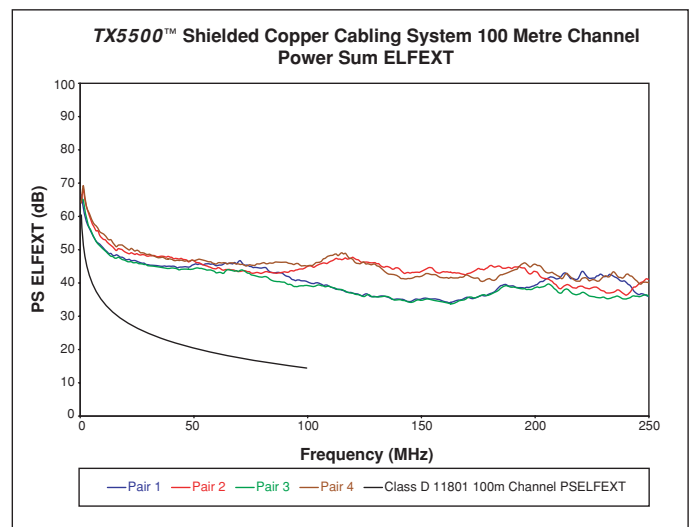
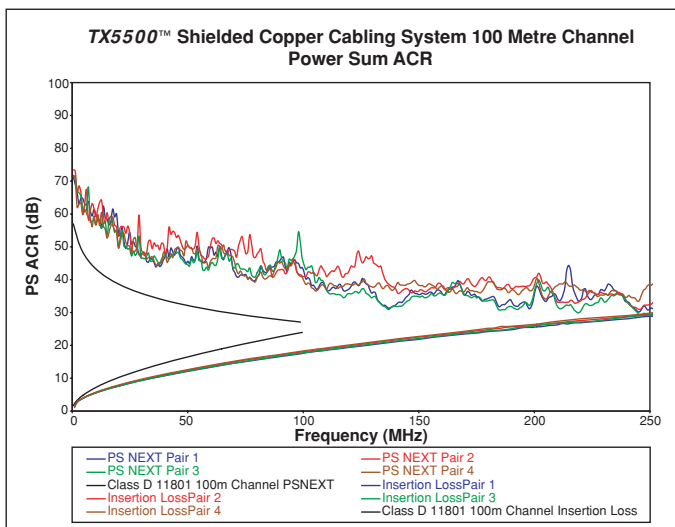
\*\*For lengths 1 - 10metres (increments of 1 metre) and 10 - 40 metres (increments of 5 metres) change the length designation in the part number to the desired length. For standard cable colours other than IG (International Grey) substitute suffix with BL (Black), BU (Blue), GR (Green), RD (Red) or YL (Yellow), OR (Orange), VL (Violet). All patchcords are fitted with black boots.

\*\*\*Terminates enhanced GiGA-TX™ Style Jack Module

## Additional TIA/EIA-568-B Specifications

Mechanical Test	PANDUIT Exceeds Industry Specifications
Ultimate Breaking Strength	>400 N
Minimum Bend Radius	32 mm

Electrical Test	PANDUIT Exceeds Industry Specifications
DC Resistance	<9.38 Ohm per 100m
DC Resistance Unbalance	<5% at 20°C per ASTM D 4566
Mutual Capacitance	<5.6 nF per 100m at 1 KHz and 20°C per ASTM D 4566
Capacitance Unbalance	<330 pF per 100m at 1 KHz and 20°C per ASTM D 4566
Characteristic Impedance	100 Ohm +/- 15% from 1 to 125 MHz per ASTM D 4566
Propagation Velocity	>62.1 (at 100 MHz) LSZH, PVC - 68%



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