TX5500™ UTP Copper Cable

specifications

Category 5e cable shall far exceed IEC 61156-5 and ANSI/TIA-568-C.2 Category 5e component standards. The conductors shall be 24 AWG construction with HDPE insulation. The copper conductors shall be twisted in pairs, and covered by a LSZH 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-C.2 Category 5e standards at swept frequencies up to 100 MHz
	Certified component performance up to 100 meters and exceeds the component requirements of IEC 61156-5 and ANSI/TIA-568-C.2 Category 5e component standards at swept frequencies up to 100 MHz
Conductor/Insulator:	24 AWG solid copper insulated with HDPE
Flame rating:	IEC 60332-1, IEC 61034, IEC 60754-1, IEC 60754-2
PoE compliance:	Meets IEEE 802.3af and IEEE 802.3at 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:	LSZH
Cable diameter:	4.9mm (0.194 in.)
Cable weight:	8.6kg/305m (19 lbs./1000 ft.)
Packaging:	305m (1000 ft.), in an easy payout box Package tested to ISTA procedure 1A

key features and benefits

Third party tested	Cable has been tested as part of the TX5500™ UTP Copper Cabling System by an independent laboratory and complies with the electrical channel requirements of the following standards: ISO/IEC 11801 and ANSI/TIA-568-C.2
Easy payout box	Ensures proper performance and provides quick installation
Descending length cable markings	Easy identification of remaining cable to reduce installation time and cable scrap
Tested beyond the standards	Cable has been characterized to 450 MHz, 350 MHz above the standard

applications

TX5500™ UTP Copper Cable is a component of the Panduit® TX5500™ 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 standards and ANSI/TIA-568-C-2 Category 5e, this system is ideal for today's high performance workstation applications.

Usage of the TX5500™ Copper Cabling System includes:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet)
- 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM
- Token ring 4/16
- Data system

TX5500™ Copper Cabling System

TX5500™ UTP Copper Cable

LSZH:	PUL5504*

Mini-Com® TX5e™ UTP Jack Module

Jack module:	CJ5E88TG**

TX5e™ UTP LSZH Patch Cords

1 meter:	UTPCHL1M***Y
2 meters:	UTPCHL2M***Y
3 meters:	UTPCHL3M***Y
5 meters:	UTPCHL5M***Y

DP5e™ Angled Punchdown Patch Panels

24-port, 1 RU:	DPA245E88TGY
48-port, 2 RU:	DPA485E88TGY

DP5e™ Angled Punchdown Patch Panels

24-port, 1 RU:	DP245E88TGY
48-port, 2 RU:	DP485E88TGY

Pan-Punch™ 110 Category 5e Punchdown System

See website (www.panduit.com) or catalog for complete system information.

Cable Prep Tools

Wire snipping tool:	CWST
Wire stripping tool:	CJAST

*Colors and pallet configurations:

Replace* with WHY for white cable in a standard pallet of 36 cartons.

Replace* with WH-EY for white cable in a European pallet of 18 cartons.

Replace* with WH-J for white cable in a single carton (single cartons available in Japan only).

**To designate color, add suffix IW (Off White), EI (Electric Ivory), IG (International Gray), AW (Arctic White), WH (White), BL (Black), OR (Orange), RD (Red), BU (Blue), GR (Green), YL (Yellow), or VL (Violet).
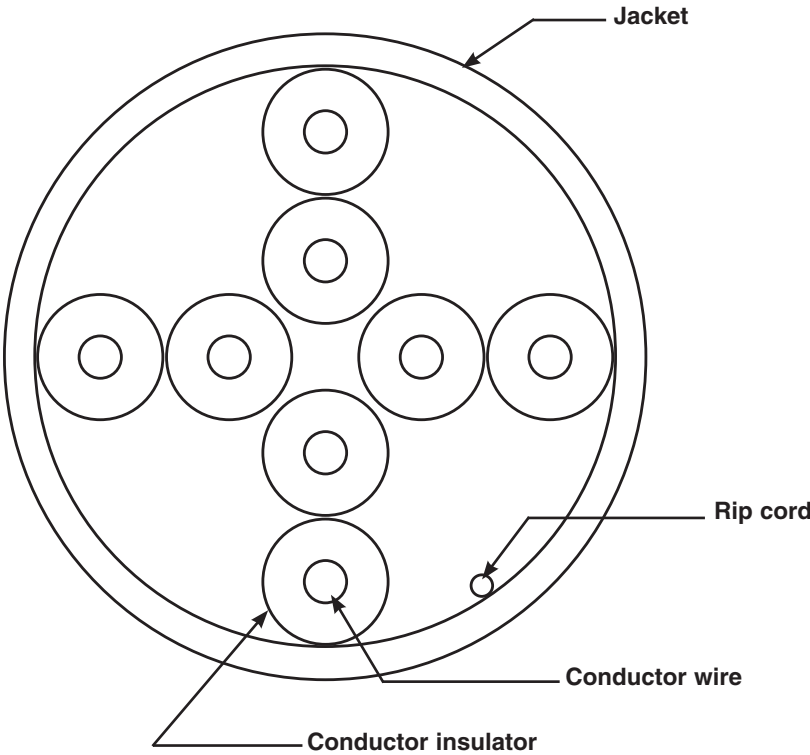
***For lengths 1 to 10 meters (increments of one meter) and 0.5, 1.5, 2.5, 15, 20 meters, change the length designation in the part number to the desired length. For standard cable colors other than Off White, add suffix BL (Black), BU (Blue), RD (Red), GR (Green), YL (Yellow), OR (Orange), or VL (Violet) after the M in the part number. For example, the part number for a 15-meter patch cord with blue boots is UTPCHL15MBUY.

TX5500™ UTP Copper Cable

additional specifications

Mechanical Test	
Ultimate Breaking Strength	>400 N (90 lbf.)
Minimum Bend Radius	4 x cable diameter
Electrical Test	
Nominal Velocity of Propagation (NVP)	67%

cable construction

Jacket

Rip cord

Conductor wire

Conductor insulator

PANDUIT®