TX6000™ Category 6 U/UTP Copper Cable

SPECIFICATIONS

Category 6 cable shall exceed IEC 61156-5 and ANSI/TIA-568.2-D Category 6 component Standards. The conductors shall be 23 AWG construction with polyethylene (PE) insulation. The copper conductors shall be twisted in pairs, separated by a cross divider, and all four pairs shall be covered by a LSZH and rodent resistant jacket.

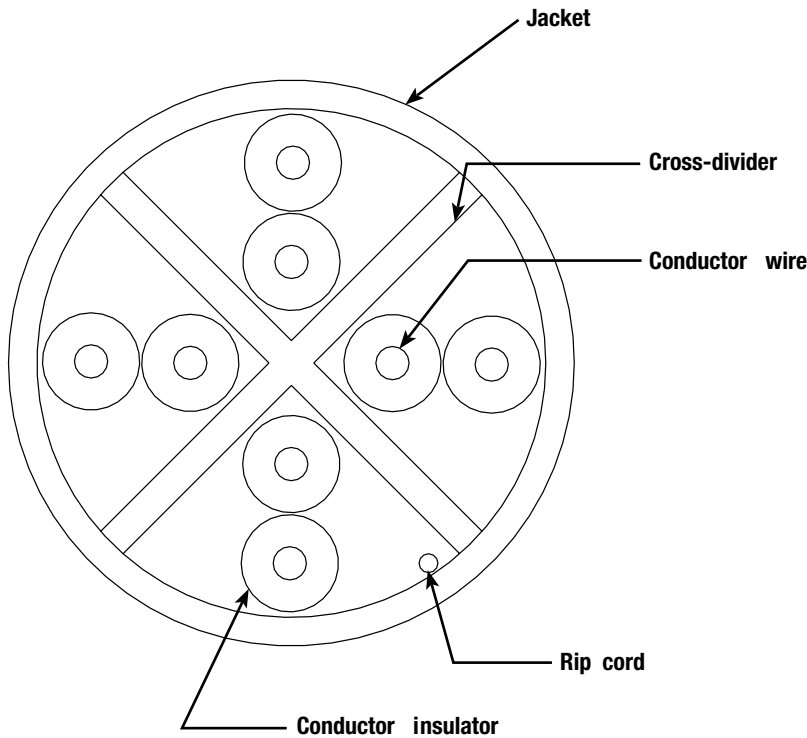| TX600 U/UTP Copper Cable	
LSZH:	PULR6004*-VEG

Colors: BU (Blue), WH (White), YL (Yellow), IG (International Gray), BL (Black), RD (Red), GR (Green), OR (Orange), or VL (Violet)

Visit **www.panduit.com** for connectivity components

TECHNICAL INFORMATION

Electrical Performance:	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds ISO 11801 Class E and ANSI/TIA-568.2-D Category 6 Standards at swept frequencies up to 250 MHz
	Certified component performance up to 100 meters and exceeds the component requirements of IEC 61156-5 and ANSI/TIA-568.2-D Category 6 component Standards at swept frequencies up to 250 MHz
Conductor/insulator:	23 AWG solid copper insulated with polyethylene (PE)
Flame rating:	IEC 60332-1, IEC 60754, IEC 61034
PoE compliance:	Meets IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt for PoE applications
Installation tension:	110 N (25 lbf) maximum
Temperature rating:	32°F to 122°F (0°C to 50°C) during installation
	-40°F to 167°F (-40°C to 75°C) during operation
Cable jacket:	LSZH
Cable diameter, in. (mm):	0.244 (6.2)
Cable weight:	12 kg/305m (25 lbs./1000'.); 500m (43 lbs./1640')
Packaging, ft.(m):	1000 (305) on a reel
	Package tested to ISTA procedure 1A

KEY FEATURES AND BENEFITS

Third-party tested:	Cable has been tested as part of the TX6000 Copper Cabling System by an independent laboratory and complies with the electrical channel requirements of the following Standards: ISO/IEC 11801 2nd Edition: ANSI/TIA-568.2-D
Cross-divider:	Separates pairs for exceptional cable performance
Reel packaging:	Ensures proper performance and provides quick installation
Tested beyond the standards:	Cable has been characterized to 550 MHz, 300 MHz above the Standard
Descending length cable markings:	Easy identification of remaining cable reduces installation time and cable scrap

APPLICATIONS

TX6000 U/UTP Copper Cable is a component of the TX6000 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-568.2-D Category 6, this system is ideal for high performance workstation applications. Usage of the TX6000 Copper Cabling System includes:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet), **1**0GBASE-T (10 Gigabit Ethernet over limited d istances as specified in the industry 10 GBASE-T standards)
- 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM
- Token ring 4/16

TX6000™ Category 6 U/UTP Copper Cable

ADDITIONAL SPECIFICATIONS

Mechanical Test	
Ultimate Breaking Strength	E>400 N (90 lbf)
Minimum Bend Radius	4 x cable diameter
Electrical Test	
Nominal Velocity of Propagation (NVP)	67%
Operating Voltage, Maximum	80V

CABLE CONSTRUCTION

The following safety precautions are recommended for handling this cable:

- PPE such as eye protection and protective gloves to be worn while pulling, handing or installing this cable. Do not handle the cables without the recommended PPE.

- Avoid rubbing eyes or skin directly with this cable or the gloves used to handle the cable. Wash your hands before touching eyes or skin after handling the cable.

- It is recommended to clean the work area after handling the cable.

- This cable type can produce an unpleasant and possibly irritating smell. It is recommended to keep storage or installed cable area well ventilated.

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