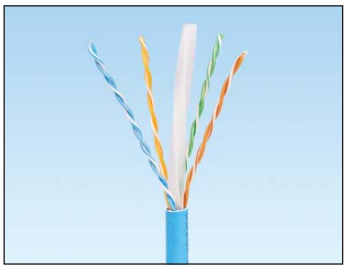
TX6000™ UTP Copper Cable

PANDUIT®

SPECIFICATION SHEET

specifications

Category 6 cable shall exceed IEC 61156-5 and ANSI/TIA-568-C.2 Category 6 component standards. The conductors shall be 23 AWG construction with HDPE insulation. The copper conductors shall be twisted in pairs, separated by a cross divider, and all four pairs shall be 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 E and ANSI/TIA-568-C.2 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-C.2 Category 6 component standards at swept frequencies up to 250 MHz
Conductor/insulator:	23 AWG solid copper insulated with HDPE
Flame rating:	IEC 60332-1, IEC 60754-1 and -2, IEC 61034-2
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 60°C (-4°F to 140°F) during operation
Cable jacket:	LSZH
Cable diameter:	5.7 mm (0.224 in.)
Cable weight:	12 kg/305m (28 lbs./1000 ft.)
Packaging:	305m (1000 ft.), on a reel-in-a-box, or 500m (1640 ft.) 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: 2002, EN 50173-1:2002, and ANSI/TIA-568-C.2
Cross-divider	Separates pairs for exceptional cable performance
Reduced attenuation	Maximizes the amount of signal that reaches the receiver and increases bandwidth
Reel-in-a-box or reel	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™ UTP Copper Cable is a component of the Panduit® 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/EIA-568-C.2 Category 6, this system is ideal for today's high performance workstation applications. Usage of the TX6000™ Copper Cabling System includes:

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

www.panduit.com

TX6000™ Copper Cabling System	
TX6000™ UTP Copper Cable	
LSZH:	PUL6004*
Mini-Com® TX6™ PLUS UTP Jack Module	
Jack module:	CJ688TG**
TX6™ PLUS UTP LSZH Patch Cords	
1 meter:	UTPSPL1***MY
2 meters:	UTPSPL2***MY
3 meters:	UTPSPL3***MY
5 meters:	UTPSPL5***MY
DP6™ PLUS Angled Punchdown Patch Panels	
24-port, 1 RU:	DPA24688TGY
48-port, 2 RU:	DPA48688TGY
DP6™ PLUS Flat Punchdown Patch Panels	
12-port:	DP12688TGY
24-port, 1 RU:	DP24688TGY
48-port, 2 RU:	DP48688TGY
GP6™ PLUS Category 6 Punchdown System	
See website* (www.panduit.com) *or catalog for complete system information	
Cable Prep Tools	
Wire snipping tool:	CWST
Wire snipping tool:	CJAST

*Colors and pallet configurations:

Replace * with BUY (Blue) or WHY (White) to designate that color in a standard pallet of 27 cartons, 305m each.

Replace * with WH-EDY for white cable in a standard pallet of 18 reels, 500m each.

Replace * with GY-EDY for gray cable in a standard pallet of 18 reels, 500m each.

Replace * with WH-EY (White) or BU-EY (Blue) to designate that color in a European pallet of 18 reels, 500m each.

Replace * with WH-J for white cable in an individual carton (individual cartons available in Japan only), 305m each.

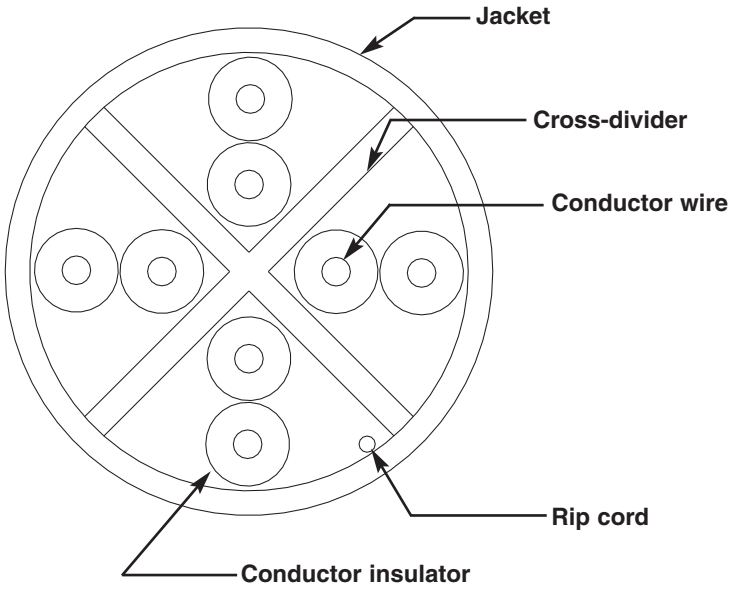
**To designate color, add suffix IW (Off White), EI (Electric Ivory), IG (International Gray), WH (White), BL (Black), OR (Orange), RD (Red), BU (Blue), GR (Green), YL (Yellow), or VL (Violet).

***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 blue, 15-meter patch cord is UTPSPL15MBUY.

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



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Contact Customer Service by email: cs@panduit.com
or by phone: 800-777-3300 and reference COSP149

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