TX6000™ *UTP Copper Cable*

s p e c i f i c a t i o n s

Category 6 cable shall exceed IEC 61156-5 and ANSI/TIA/EIA-568-B.2-1 Category 6 component standards. The conductors shall be 24 AWG construction with HDPE insulation. The copper conductors shall be twisted in pairs, with all four pairs separated by a cross-divider and covered by a flame retardant PVC jacket.

t e c h n i c a l   i n f o r m a t i o n

Electrical performance:	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds ISO 11801 2nd Edition Class E and ANSI/TIA/EIA-568-B.2-1 Category 6 standards at swept frequencies up to 250 MHz
	Certified component performance up to 100 meters and exceeds the component requirement of IEC 61156-5 and ANSI/TIA/EIA-568-B.2-1 Category 6 component standards at swept frequencies up to 250 MHz
Conductor/ insulator:	24 AWG solid copper insulated with HDPE
Flame rating:	UL 1685
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:	Flame retardant PVC
Cable diameter:	5.7mm (0.225 in.) nominal
Cable weight:	11 kg/305m (24 lbs./1000 ft.)
Packaging:	305m (1000 ft.), reel in a box, 14 kg/305m (30 lbs./1000 ft.) Package tested to ISTA Procedure 1A

k e y   f e a t u r e s   a n d   b e n e f i t s

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, ANSI/TIA/EIA-568-B.2, and ANSI/TIA/EIA-568 B.2-1.
Cross-divider	Separates pairs for exceptional cable performance
Reel-in-a-box	Ensures proper performance and provides quick installation
Descending length cable markings	Easy identification of remaining cable reduces installation time and cable scrap

a p p l i c a t i o n s

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 and ANSI/TIA/EIA-568-B.2-1 Category 6 standards, this system is ideal for today's high performance workstation applications.

Usage of the *TX6000*™ Copper Cabling System include:
• Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet), 10GBASE-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

TX6000™ *Copper Cabling System*

TX6000*™ *UTP Copper Cable*
CM:	PUC6004*

MINI-**C**OM® *TX6*™ *UTP PLUS Jack Module*
Jack module:	CJ688TG**

TX6*™ *PLUS UTP Patch Cords*
Meter lengths:	UTPSP^MY
Foot lengths:	UTPSP^^Y

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 stripping tool: CJAST

*For colors and pallet configurations, reference back page.

**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, 25, 30, 35, 40 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 UTPSP15MBUY.
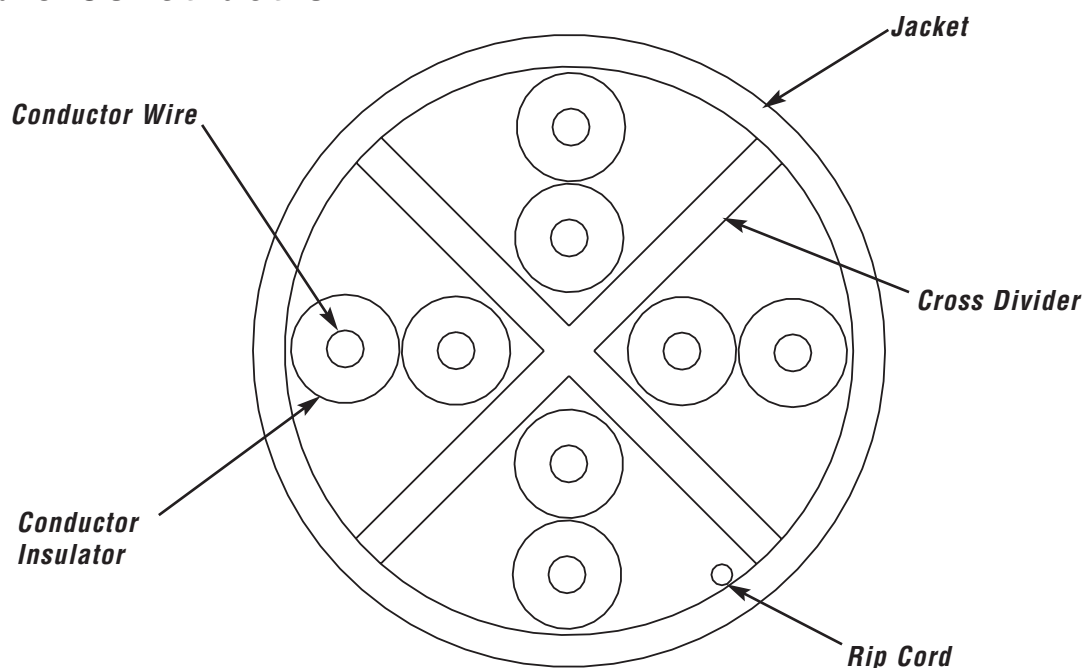
^^For lengths 1 to 10 feet (increments of one foot) and 0.5, 1.5, 2.5, 15, 20, 25, 30, 35, 40 feet, change the length designation in the part number to the desired length. For standard cable colors other than Off White, add suffix BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange) or VL (Violet) before the Y at the end of the part number. For example, the part number for a blue 5-foot patch cord is UTPSP5BUY.

Additional specifications

Mechanical Test	
Ultimate Breaking Strength	>400 N (90 lbf)
Minimum Bend Radius	4 x cable diameter
Electrical Test	
DC Resistance	<9.38 Ohm per 100m (328 ft.)
DC Resistance Unbalance	<5%
Mutual Capacitance	<5.6 nF per 100m (328 ft.) at 1 kHz
Capacitance Unbalance	<330 pF per 100m (328 ft.) at 1 kHz
Characteristic Impedance	100 Ohm +/-15% up to 100 MHz
Nominal Velocity of Propagation (NVP)	67%

Cable Construction

Jacket

Conductor Wire

Cross Divider

Conductor Insulator

Rip Cord

Product Offering

Part Number	Packaging Configuration	Color
PUC6004BUY	Standard US Pallet (27 cartons/pallet, 9 cartons x 3 layers)	Blue
PUC6004IG-EY	Standard European Pallet (18 cartons/pallet, 6 cartons x 3 layers)	International Gray
PUC6004BU-J	Individual carton (Japan market only)	Blue

For other color or pallet configurations, contact customer service.

For more information

Visit us at www.panduit.com

**Contact Customer Service by email: cs@panduit.com
or by phone: 800-777-3300 and reference COSP141**

WW-COSP141
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