

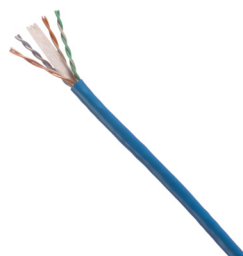
TX6™ Category 6 U/UTP Copper Cable

Latin America,
Europe and
Asia Pacific

PANDUIT®
SPECIFICATION SHEET

SPECIFICATIONS

Category 6 cable shall meet the IEC 61156-5 and ANSI/TIA-568.2-D Category 6 component standards. The conductors shall be 24 AWG insulated with polyethylene. The copper conductors shall be twisted in pairs, separated by a cross divider and covered by a LSFRZH 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-568.2-D Category 6 standards at swept frequencies up to 250MHz Certified component performance up to 100 meters and exceeds the component requirements of the IEC 61156-5 and ANSI/TIA-568.2-D Category 6 standards at swept frequencies up to 250MHz
Conductors/insulators:	24 AWG solid copper insulated with polyethylene
Insulation diameter:	0.90mm - 1.22mm (0.035 in. - 0.048 in.)
Flame rating:	EN 50575: Euroclass Cca-s1a-d0-a1
PoE compliance	Meets IEEE 802.3af, IEEE 802.3at and 802.3bt for PoE applications
Installation tension:	110N (25 lbf)
Temperature rating:	-20 to +75°C (-4°F to 167°F) during operation 0°C to 50°C (32°F to 122°F) during installation
Cable jacket:	LSFRZH (Low Smoke Fire Retardant Zero Halogen)
Cable diameter:	5.9mm (0.232 in.) nominal
Cable weight:	14 kg/305m (31 lbs./1000 ft.)
Packaging:	305m (1000 ft.) easy payout carton Package tested to ISTA Procedure 1A

KEY FEATURES AND BENEFITS

Third-party tested:	Cable has been tested as part of the TX6 Category 6 U/UTP Copper Cabling System by an independent laboratory and complies with the electrical channel requirements of the following standard: ISO 11801 Class E and ANSI/TIA-568.2-D Category 6 standard
Easy payout carton:	Ensures proper performance and provides quick installation
Descending length cable markings:	Easy identification of remaining cable reduces installation and cable scrap
Cross divider:	Separates twisted pairs for robust cable performance
Tested beyond the standards:	Cable has been characterized to 350MHz, 100MHz above the standard

APPLICATIONS

TX6 U/UTP Copper Cable is a component of the TX6 U/UTP Copper Cabling System. This end-to-end system provides Gigabit Ethernet performance with usable bandwidth beyond 250MHz. With certified performance to the ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E standards, this system will support the following applications:

- Ethernet 10BASE-T
- 100BASE-T (Fast Ethernet)
- 1000BASE-T (Gigabit Ethernet)

TX6 U/UTP Copper Cable

LSFRZH: PUY6C04**-FE

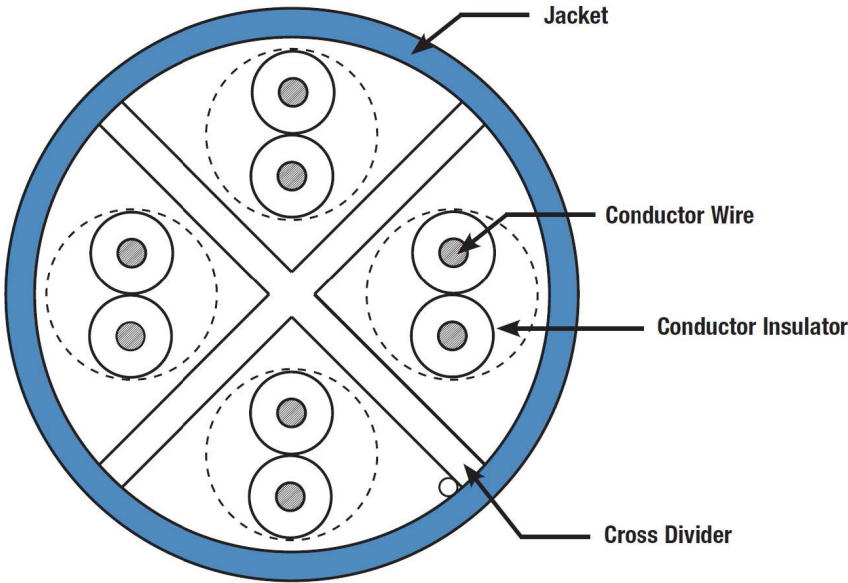
**Colors: WH (White)
For additional cable colors,
contact Customer Service.

TX6™ Category 6 U/UTP Copper Cable

ADDITIONAL SPECIFICATIONS

Mechanical Testing	
Ultimate Breaking Strength:	>400 N (90 lbf)
Minimum Bend Radius:	4 x cable diameter
Engineering Testing	
Nominal Velocity of Propagation (NVP):	64% nominal
Operating Voltage, Maximum:	80 V

ENGINEERING DRAWINGS



WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT US/CANADA Phone: 800.777.3300	PANDUIT EUROPE LTD. London, UK Phone: 44.20.8601.7200	PANDUIT SINGAPORE PTE. LTD. Republic of Singapore Phone: 65.6305.7575	PANDUIT JAPAN Tokyo, Japan Phone: 81.3.6863.6000	PANDUIT LATIN AMERICA Guadalajara, Mexico Phone: 52.33.3777.6000	PANDUIT AUSTRALIA PTY. LTD. Victoria, Australia Phone: 61.3.9794.9020
--	---	---	--	--	---

For a copy of Panduit product warranties, log on to www.panduit.com/warranty



For more information
Visit us at www.panduit.com
Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

© 2024 Panduit Corp.
ALL RIGHTS RESERVED.
COSP610-WW-ENG
7/2024