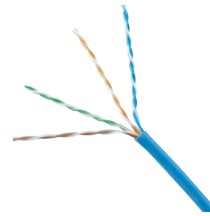


TX6™ Category 6 U/UTP Copper Cable

SPECIFICATIONS

Category 6 cable shall meet ANSI/TIA-568.2-E Category 6 component standard. The conductors shall be 24 AWG construction with HDPE insulation. The copper conductors shall be twisted in pairs and covered by a low smoke, flame-retardant PVC (CMR) jacket.



TECHNICAL INFORMATION

Electrical performance:	Certified channel performance in a 4-connector configuration up to 100m and meets ANSI/TIA-568.2-E Category 6 standard at swept frequencies up to 250 MHz Certified component performance up to 100m and meets the component requirements of ANSI/TIA-568.2-E Category 6 component standard at swept frequencies up to 250 MHz
Conductor/insulator:	24 AWG solid copper covered by HDPE insulation
Insulation diameter:	0.035 in. - 0.039 in. (0.89mm - 0.99mm)
Flame rating:	UL1666
PoE compliance:	Meets IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt for PoE applications
Installation tension:	25 lbf (110 N) maximum
Temperature rating:	32°F to 122°F (0°C to 50°C) during installation -4°F to 167°F (-20°C to 75°C) during operation
Cable jacket:	Flame-retardant PVC (CMR)
Cable diameter:	0.220 in. (5.6mm) nominal
Cable weight:	24 lbs./1000 ft. (11 kg/305m)
Packaging:	1000 ft. (305m) easy-pay-out box Packaged tested to ISTA Procedure 1A

KEY FEATURES AND BENEFITS

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

APPLICATIONS

Interoperable and backward compatible, the Panduit TX6™ Cabling System provides design flexibility to protect network investments well into the future. With certified performance to the ANSI/TIA-568.2-E 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), 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

Category 6 U/UTP Copper Cable

CMR: PUR6C04**-WZ

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

TX6™ Category 6 U/UTP Copper Cable

ADDITIONAL SPECIFICATIONS

Mechanical Test	
Ultimate breaking strength:	> 90 lbf (400 N)
Minimum bend radius:	4 x cable diameter
Electrical Test	
Nominal velocity of propagation (NVP):	65% nominal
Operating voltage, maximum:	80 V

ENGINEERING DRAWING

