

NetKey® Category 6 U/UTP Copper Cable

PANDUIT®

DATA SHEET

Category 6 U/UTP copper cable meets ANSI/TIA-568-2.D Category 6 and ISO 11801 Class E channel standards. The conductors are 24 AWG copper insulated with HDPE polymer. The copper conductors are twisted in pairs, separated by a cross divider and all four pairs are covered by a LSFRZH jacket.



NetKey® Copper Cabling System

NetKey® U/UTP Copper Cable

LSFRZH: NUZ6C04**-KE

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

technical information

Electrical performance:	Certified performance in a 4-connector configuration up to 100 meters, meets ANSI/TIA-568-2-D Category 6 and ISO 11801 Class E channel requirements
Conductor/insulator:	24 AWG solid copper insulated with HDPE polymer
Insulation diameter:	0.92-0.96mm (0.036-0.038 in.)
Flame rating:	IEC 60332-1, IEC 60332-3-22, IEC 60754, IEC 61034, EN 50575: Dca-s2,d2,a1
PoE compliance:	Meets IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt for PoE applications
Installation tension:	110N (25 lbf.) maximum
Temperature rating:	0° to 50°C (32° to 122°F) during installation -20° to 60°C (14° to 140°F) during operation
Cable jacket:	LSFRZH
Cable diameter:	5.3mm (0.208 in.) nominal
Cable weight:	12 kg/305m (26 lbs./1000 ft.)
Packaging:	305m (1000 ft.) 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 NetKey® Category 6 U/UTP Copper Cabling System by an independent laboratory and complies with the electrical channel requirements of ANSI/TIA-568.2-D and ISO 11801 Class E Category 6 standard
Descending length cable markings	Easy identification of remaining cable reduces installation time and cable scrap
Cross divider	Separates twisted pairs for robust cable performance
Easy payout box	Ensures proper performance and provides quick installation

applications

Applications include:

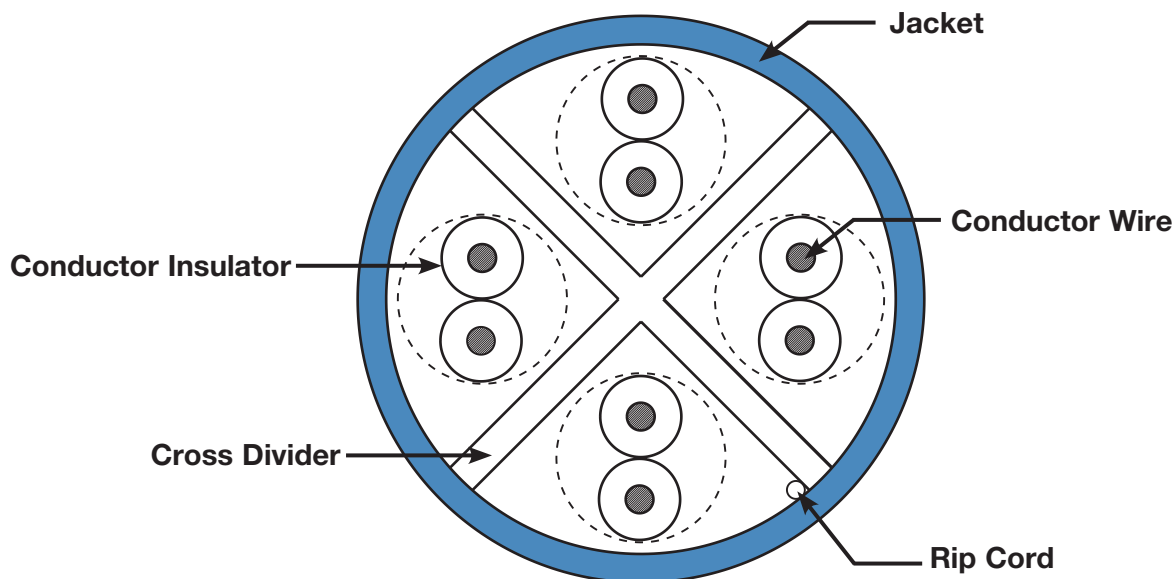
- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), and 1000BASE-T (Gigabit Ethernet)
- 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM
- Token ring 4/16

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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)	66%

cable construction



WORLDWIDE SUBSIDIARIES AND SALES OFFICES

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For more information

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