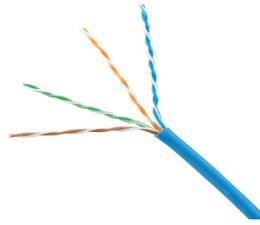# NetKey® Category 6 UTP Copper Cable

Category 6 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 and covered by a low smoke zero halogen or flame-retardant PVC (CM or CMR) jacket.

NetKey® UTP Copper Cable

LSZH:	NUL6CR04BU-CE*
CM:	NUC6CR04BU-CE*
CMR:	NUR6CR04BU-CE*

*For standard cable colors other than BU (Blue), replace BU in part number with WH (White), IG (International Gray), or VL (Violet). (Violet available for NUL6CR04**-CE only.) Contact customer service for region availability. Available in European pallets of 14 cartons per pallet.

Fluke JackRapid™ Termination Tool available through distribution. To locate the local office, visit www.flukenetworks.com/contact.

JackRapid™ is a trademark of Fluke Networks.

technical information

Electrical performance:	Certified channel performance in a 4-connector configuration up to 100 meters and meets the requirements of ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E channel standards at swept frequencies up to 250 MHz
Conductor/insulator:	24 AWG solid copper insulated with HDPE
Insulation diameter:	0.88mm – 0.98mm (0.0346 in – 0.0385 in)
Flame rating:	LSZH — IEC 60332-1, IEC 60754-1 and -2, IEC 61034-2, EN50575: Euroclass Eca CM — UL 1685; EN50575: Euroclass Eca CMR — UL 1666
PoE compliance:	Meets IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt 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 75°C (-4°F to 167°F) during operation
Cable jacket:	LSZH — Low Smoke Zero Halogen CM — PVC CMR — Flame-retardant PVC
Cable diameter:	5.2mm (0.204 inch) nominal
Cable weight	10 kg/305m (22 lbs./1000 ft.)
Packaging:	305m (1000 ft.) easy-payout box Package tested to ISTA Procedure 1A

key features and benefits

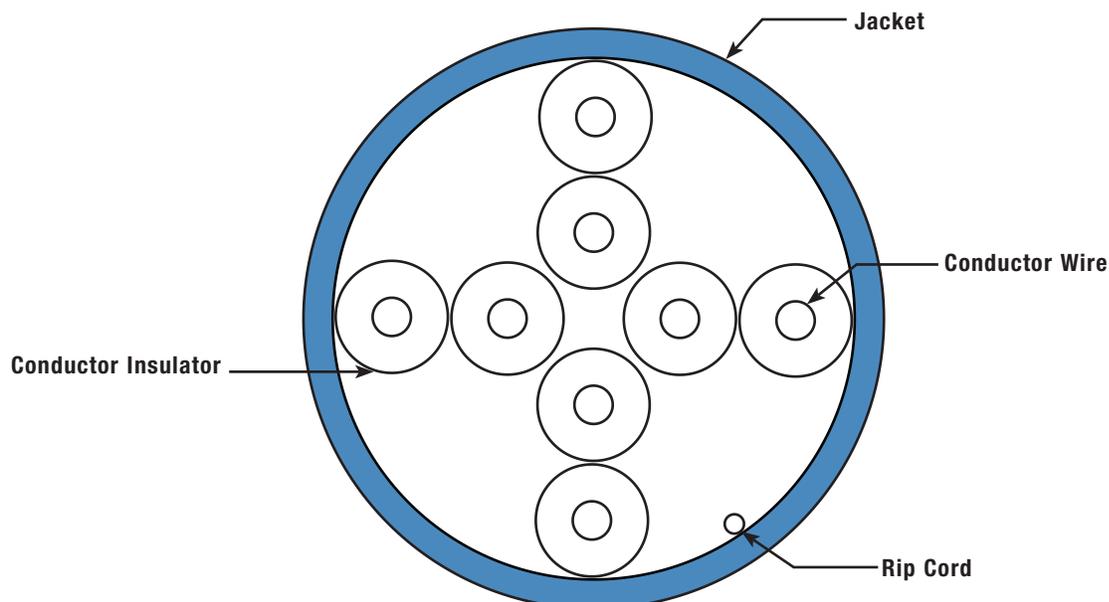|	
Third party tested	Cable has been tested as part of the NetKey® Category 6 UTP Copper Cabling System by an independent laboratory and complies with the electrical channel requirements of ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E standards
Reduced cable diameter	For improved installation and termination
Descending length cable markings	Easy identification of remaining cable reduces installation time and cable scrap
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

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)	65%
Operating Voltage, Maximum	80V

cable construction

Jacket

Conductor Wire

Conductor Insulator

Rip Cord

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

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