

NetKey™ NK6™ Category 6 U/UTP Copper Cable

Latin America,
Europe and
Asia Pacific

PANDUIT™
SPECIFICATION SHEET

SPECIFICATIONS

Category 6 U/UTP copper cable shall meet ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E channel standards. The conductors shall be 24 AWG copper insulated with PE polymer. The copper conductors shall be twisted in pairs, separated by a cross divider and covered by a PVC jacket.



TECHNICAL INFORMATION

Electrical performance:	Certified performance in a 4-conductor configuration up to 100 meters, meets ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E channel requirements
Cable diameter:	5.7mm (0.224 in.) nominal
Conductors/insulators:	24 AWG solid copper insulated with PE polymer
Insulation diameter:	0.86mm - 1.02mm (0.034 in. - 0.040 in.)
Flame rating:	PVC compound compliant with IEC 60332-1 standard
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°C to 50°C (32°F to 122°F) during installation -20°C to 75°C (14°F to 167°F) during operation
Cable jacket:	Flame retardant PVC
Cable weight:	13 kg/305m (28 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 NK6 Category 6 U/UTP Copper Cabling System by an independent laboratory and complies with the electrical channel requirements of the ANSI/TIA-568.2-D and ISO 11801 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-pay-out 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

NetKey Unshielded Category 6 Copper Cable

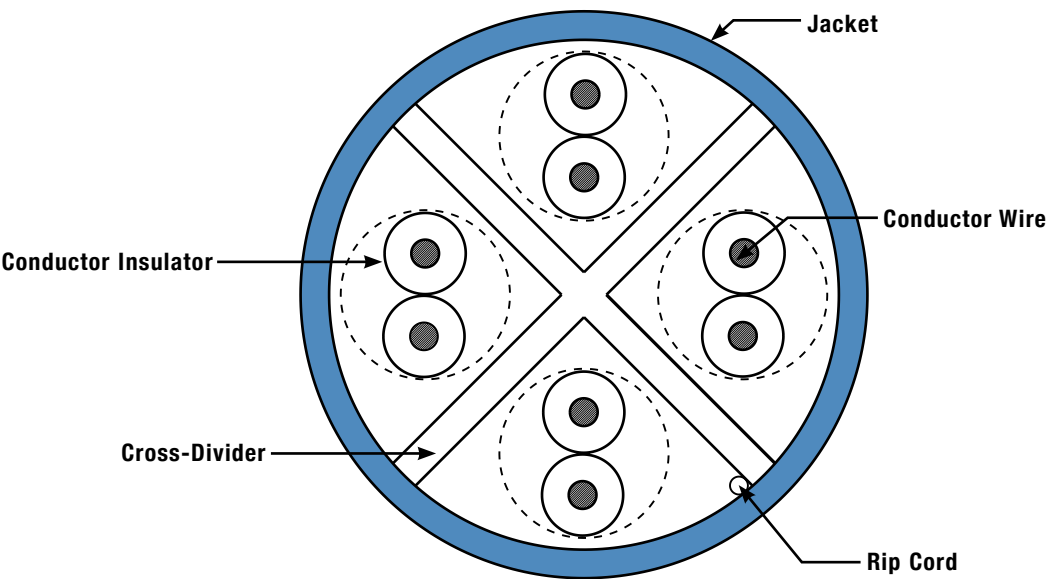
PVC: NUV6C04**-VE

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

NetKey™ NK6™ Category 6 U/UTP Copper Cable

Mechanical Testing	
Ultimate Breaking Strength	>400 N (90 lbf)
Minimum Bend Radius	4 x cable diameter
Electrical Testing	
Operating Voltage, Maximum	80 V
Nominal Velocity of Propagation (NVP)	67% nominal

ENGINEERING DRAWING



Dimensions are in inches. [Dimensions in brackets are metric].

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

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