

NetKey® Category 5e U/UTP Copper Cable

specifications

Category 5e cable meets ANSI/TIA-568.2-D Category 5e and ISO 11801 2nd Edition Class D channel standards. The conductors are 24 AWG copper insulated with HDPE polymer. The copper conductors are twisted in pairs and all four pairs are covered by a low smoke zero halogen or flame retardant PVC (CM or CMR) jacket.



technical information

Electrical performance:	Certified performance in a 4-conductor configuration up to 100 meets ANSI/TIA-568.2-D Category 5e and ISO 11801 2nd Edition Class D channel requirements
Flame rating:	LSZH – IEC 60332-1, 60754-1, 60754-2, 61034-2, EN50575: Euroclass Eca PVC (CM) – UL 1685 EN 50575: Euroclass Eca PVC (CMR) – UL 1666
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:	LSZH – Low Smoke Zero Halogen CM – PVC CMR – Flame retardant PVC
Cable diameter:	LSZH – 4.7mm (0.187 in.) nominal PVC (CM), PVC (CMR) – 4.6mm (0.184 in.) nominal
Cable weight:	LSZH – 9 kg/305m (20 lbs./1000 ft.) PVC (CM) – 8 kg/305m (18 lbs./1000 ft.) PVC (CMR) – 8.5 kg/305m (19 lbs./1000 ft.)
Packaging:	Packaging: 305m (1000 ft.) easy-pay-out box LSZH – 11 kg/305m (23 lbs./1000 ft.) PVC (CM) – 10 kg/305m (21 lbs./1000 ft.) PVC (CMR) – 10.5 kg/305m (22 lbs./1000 ft.) Packaged tested to ISTA procedure 1A

key features and benefits

Third party tested	Cable has been tested as part of the NetKey® Category 5e UTP Copper Cabling System by an independent laboratory and complies with the electrical channel requirements of the following standard: ANSI/TIA-568.2-D Category 5e standard
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

NetKey® Network Components

NetKey® UTP Copper Cable

LSZH:	NUL5C04BU-CE
CM:	NUC5C04BU-CE
CMR:	NUR5C04BU-C

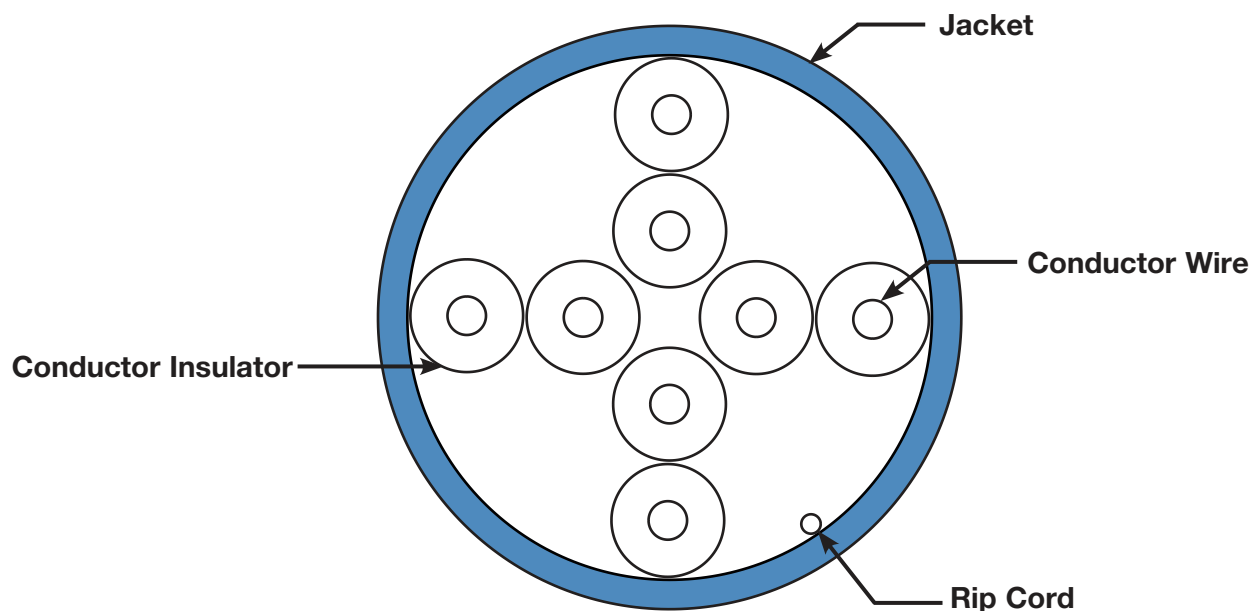
*For standard cable colors other than BU (Blue), replace BU in part number with WH (White) or IG (International Gray). Contact customer service for region availability.

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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)	65%

cable construction



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Printed in the U.S.A.
NKDS30--WW-ENG
5/2020