

NetKey® NK6™ Category 6 U/UTP Copper Cable – Europe



DATA SHEET

Category 6 cable shall meet the ISO 11801 Class E and ANSI/TIA-568-C.2 Category 6 channel standards. The conductors shall be 24 AWG insulated with polyethylene. The copper conductors shall be twisted in pairs, separated by a cross divider and covered by a LSFRZH jacket.



technical information

Electrical performance:	Certified channel performance in a 4-connector configuration up to 100 meters and meets ISO 11801 Class E and ANSI/TIA-568-C.2 Category 6 standards at swept frequencies up to 250MHz.
Conductors/insulators:	24 AWG solid copper insulated with polyolefin
Flame rating:	EN 50575: Euroclass Cca-s1a-d1-a1
PoE compliance:	Meets IEEE 802.3at and IEEE 802.3bt for PoE applications
Installation tension:	110 N (25 lbf)
Temperature rating:	-20°C to 75°C (-4°F to 167°F) during installation
Insulation diameter:	0.89 to 0.99mm (0.035 to 0.039 inch)
Cable jacket:	LSFRZH
Cable diameter:	5.9mm (0.235 inch) nominal
Cable weight:	12kg/305m (26 lbs./1000 ft.)
Packaging:	305m (1000 ft.) easy payout carton

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 the following standards: ISO 11801 Class E and ANSI/TIA-568-C.2 Category 6 standards
Easy payout carton	Ensures proper performance and provides quick installation
Descending length cable markings	Easy identification of remaining cable reduces installation time and cable scrap
Robust design	Cross divider separates twisted pairs for robust cable performance

applications

NK6™ U/UTP Copper Cable is a component of the Panduit NK6™ U/UTP Copper Cabling System. This end-to-end system provides Gigabit Ethernet performance with usable bandwidth beyond 250MHz. With certified performance the ISO 11801 Class E and ANSI/TIA-568-C.2 Category 6 standards, this system will support the following applications:

- * Ethernet 10BASE-T
- *100BASE-T (Fast Ethernet)
- *1000BASE-T (Gigabit Ethernet)

NetKey® Network Components

NetKey® UTP Copper Cable

LSFRZH: NUY6C04**-CE

NetKey® Category 6 UTP Jack Module

Punchdown: NK688MIW*

NetKey® Category 6 UTP Patch Cords – CM

Foot lengths: NK6PC3^Y

Meter lengths: NK6PC1M^^Y

NetKey® Category 6 Punchdown Patch Panels

12-port: NK6PPG12WY

24-port, 1 RU: NK6PPG24Y

48-port, 2 RU: NK6PPG48Y

NetKey® Category 6 All Molded Punchdown Patch Panels

24-port, 1 RU: NK6PP24P

48-port, 2 RU: NK6PP48P

NetKey® Flush Mount Modular Patch Panels

Angled, 24-port, 1 RU: NKPPA24FMY

Angled, 48-port, 2 RU: NKPPA48FMY

Flat, 24-port, 1 RU: NKPP24FMY

Flat, 48-port, 2 RU: NKPP48FMY

NetKey® Category 6 All Molded Modular Patch Panels

24-port, 1 RU: NKPP24P

48-port, 2 RU: NKPP48P

Termination and Cable Prep Tools

JackRapid™ Termination Tool:

Termination Tool: JR-PAN-2

Conductor stripping tool: CWST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

Conductor stripping tool: CCAST

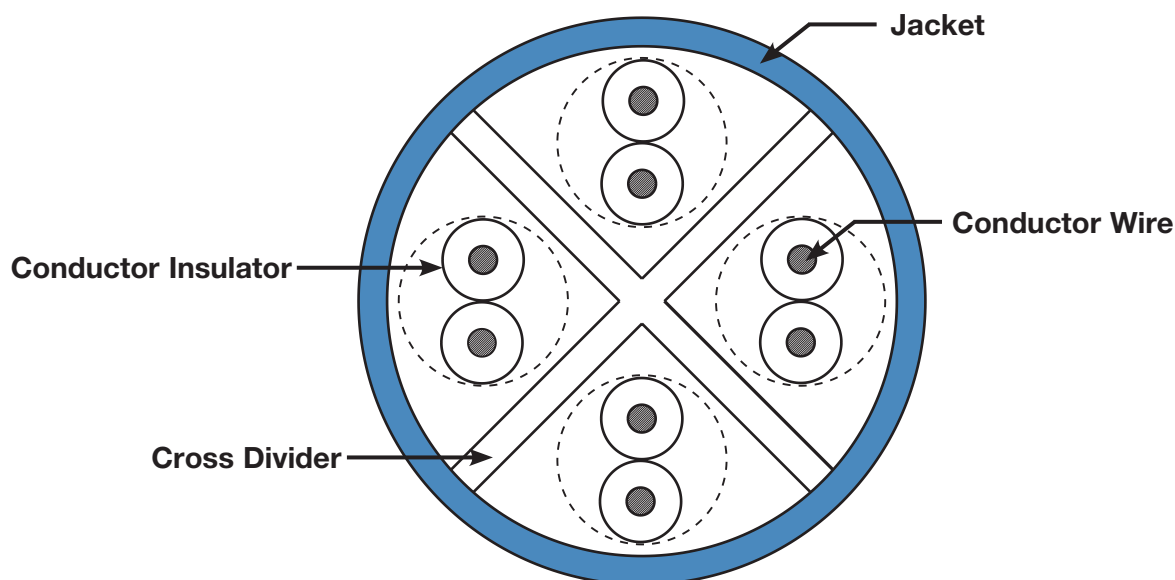
Conductor stripping tool: CCAST

NetKey® NK6™ Category 6 U/UTP Copper Cable – Europe

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



WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT US/CANADA
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
cs-emea@panduit.com
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
cs-ap@panduit.com
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
cs-japan@panduit.com
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
cs-la@panduit.com
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
cs-aus@panduit.com
Phone: 61.3.9794.9020

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

PANDUIT™

© 2018 Panduit Corp.
ALL RIGHTS RESERVED.
NKDS62--WW-UKE
4/2018