

NetKey® Category 6A U/UTP Copper Cable - Europe

specifications

Category 6A cable shall meet the ISO 11801 Class Ea and ANSI/TIA-568-C.2 Category 6A channel standards. The conductors shall be 23 AWG insulated with SFS-PO. The copper conductors shall be twisted in pairs with each pair individually covered with a foil barrier. The foil barrier shall not be grounded. All four pairs shall then be covered with a LSFRZH jacket.



NetKey® Category 6A U/UTP Copper Cabling System

NetKey® Category 6A U/UTP Copper Cable

LSFRZH: NUY6X04*-HEG

NetKey® Category 6A U/UTP Jack Module

Jack module: NK6X88M**

**Bulk pack of
25 jacks:** NK6X88M**-Q

NetKey® Category 6A U/UTP Patch Cords

Meter lengths: NK6APC^M

Cable Prep Tools

**Wire
stripping tool:** CWST

**Wire
stripping tool:** CJUST

**Cable bundle
organizing tool:** CBOT24K

*To designate cable color, add suffix BU (Blue). For additional cable colors, contact customer service.

**To designate color, add suffix IW (Off White), EI (Electric Ivory), AW (Arctic White), BL (Black), OR (Orange), RD (Red), BU (Blue), GR (Green), YL (Yellow), or VL (Violet) to end of the part number.

^Add length, then color to end of part number: 1-5M, 7M, 10M, 12M, 15M. Color is off white unless color code is added to end: BL (Black), BU (Blue), GR (Green), GY (Gray), RD (Red), YL (Yellow). Example: Blue, 5-meter patch cord is NK6APC5MBU.

technical information

**Category 6A/Class E_A
channel performance:** Certified channel performance in a 4-connector configuration up to 100 meters and meets the requirements of ISO 11801 Class E_A and ANSI/TIA-568-C.2 Category 6A standards for supporting 10GBASE-T transmission over twisted-pair cabling systems as a part of the NetKey® Category 6A U/UTP Copper Cabling System

Conductors/insulators: 23 AWG solid copper insulated with SFS-PO

Insulation diameter: 1.19-1.22mm (0.047-0.048 in.)

Flame rating: EN 50575: Euroclass Cca-s1a-d1-a1

PoE compliant: Meets IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt for PoE applications

Installation tension: 25 lbf (110 N) maximum

Temperature rating: 0°C to 50°C (32°F to 122°F) during installation
-20°C to 60°C (-4°F to 140°F) during operation

Cable jacket: LSFRZH

Cable diameter: 7.1mm (0.279 in.) nominal

Cable weight: 16 kg/305m (36 lbs./1000 ft.)

Packaging: 305m (1000 ft.) on a reel
Package tested to ISTA procedure 1A

key features and benefits

Round cable design Improves fill capacity, cable management, bend radius and allows efficient use of pathways and spaces

**Descending length
cable markings** Easy identification of remaining cable to reduce installation time and cable scrap

Bulk packaging 305m (1640 ft.) on a reel

applications

The NetKey® Category 6A U/UTP Copper Cabling System provides a cost effective medium for ensuring that network bandwidth needs are easily met today and tomorrow. The NetKey® Solution helps organizations efficiently and reliably meet data transmission needs. With certified performance to ISO 11801 Class

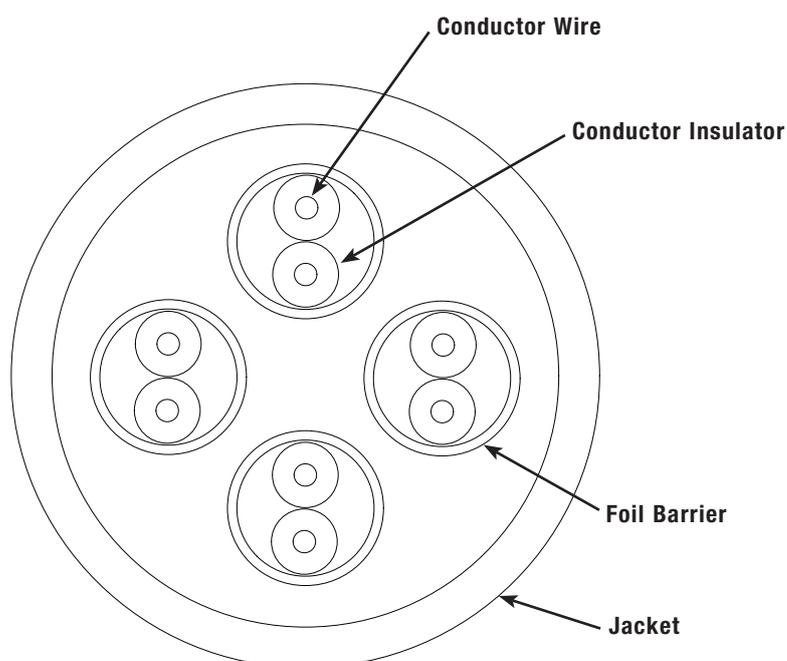
E_A and ANSI/TIA-568-C.2 Category 6A channel standards, this system will support high bandwidth applications such as those required in the education, healthcare, finance, and banking sectors.

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additional specifications

Mechanical Test	
Ultimate Breaking Strength	> 400N (90 lbf)
Minimum Bend Radius	8 x cable diameter
Electrical Test	
Nominal Velocity of Propagation (NVP)	76% nominal
Operating Voltage, Maximum	80V

cable construction



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For more information

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