

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

## specifications

Category 6A cable shall meet the ISO 11801 Class E<sub>A</sub> and ANSI/TIA-568.2-D 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

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

## technical information

<b>Category 6A/Class E<sub>A</sub> channel performance:</b>	Certified channel performance in a 4-connector configuration up to 100 meters and meets the requirements of ISO 11801 Class E <sub>A</sub> and ANSI/TIA-568.2-D 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
<b>Conductor/insulator:</b>	23 AWG solid copper insulated with SFS-PO
<b>Insulation diameter:</b>	1.19 – 1.22mm (0.047 – 0.048 in.)
<b>Flame rating:</b>	EN 50575: EuroClass Cca-s1a,d0,a1 Note that the d0 classification applies only to product manufactured on or after January 22, 2021. Product manufactured prior, has the d1 classification.
<b>PoE compliance:</b>	Meets IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt for PoE applications
<b>Installation tension:</b>	110 N (25 lbf) maximum
<b>Temperature rating:</b>	0°C to 50°C (32°F to 122°F) during installation -20°C to 75°C (-4°F to 167°F) during operation
<b>Cable jacket:</b>	LSFRZH
<b>Cable diameter:</b>	7.1mm (0.279 in.) nominal
<b>Cable weight:</b>	16 kg/305m (36 lbs./1000 ft.)
<b>Packaging:</b>	305m (1000 ft.) on a reel Packaged tested to ISTA procedure 1A

## key features and benefits

<b>Round cable design</b>	Improves fill capacity, cable management, bend radius and allows efficient use of pathways and spaces
<b>Descending length cable markings</b>	Easy identification of remaining cable reduces installation time and cable scrap
<b>Bulk packaging</b>	305m (1640 ft.) on a reel

## applications

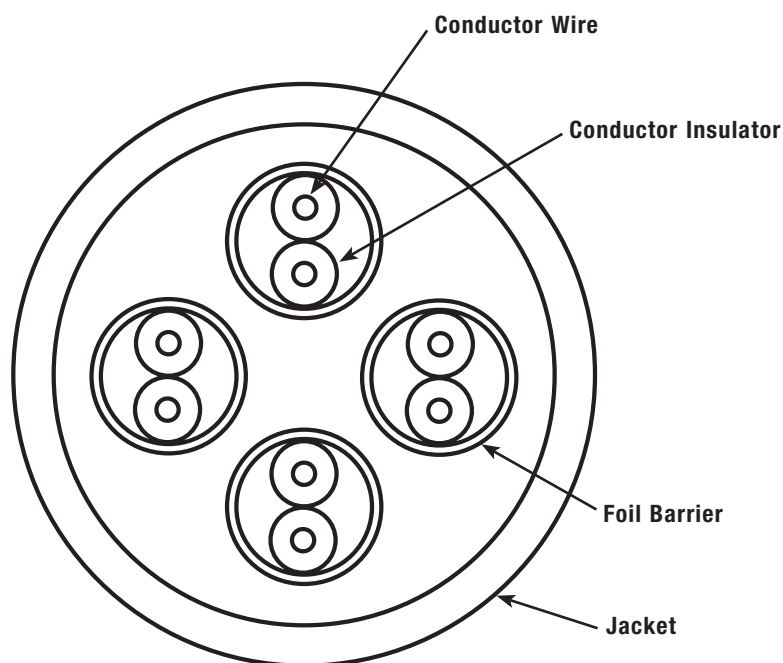
The NetKey® Category 6A U/UTP Copper Cabling System provides a cost effective medium for ensuring that network bandwidth needs are easily met today and tomorrow. The NetKey® Solution helps organizations efficiently and reliably meet data transmission needs. With certified performance to

ISO 11801 Class E<sub>A</sub> and ANSI/TIA-568.2-D Category 6A channel standards, this system will support high bandwidth applications such as those required in the education, healthcare, finance, and banking sectors.

## additional specifications

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

## cable construction



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