

# NetKey™ Category 6A U/UTP Copper Cable

Europe

**PANDUIT**™  
SPECIFICATION SHEET

## SPECIFICATIONS

Category 6A cable shall meet the ISO 11801 Class EA 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 an overall AXT barrier tape. The AXT barrier tape shall not be grounded. All four pairs shall then be covered with a LSFRZH jacket.



## NetKey Category 6A U/UTP Copper Cable

**LSZH:** NUJ6X04\*\*-HEG

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

## TECHNICAL INFORMATION

<b>Electrical performance:</b>	Certified channel performance in a 4-connector configuration up to 100 meters and meets the requirements of ISO 11801 Class EA and ANSI/TIA-568.2-DCategory 6A standards for supporting 10GBASE-T transmission over twistedpair cabling systems as a part of the NetKey Category 6A U/UTP Copper Cabling System
<b>Conductors/insulators:</b>	23 AWG bare copper wire insulated with SFS-PO insulation
<b>Insulation diameter:</b>	1.19mm-1.22mm
<b>Flame rating:</b>	EN50575: Euroclass Cca-s1a-d0-a1
<b>PoE compliance:</b>	Meets IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt for PoE applications
<b>Installation Tension:</b>	100 N (25 lbf) maximum
<b>Temperature rating:</b>	0°C to 50°C during installation -20°C to 75°C during operation
<b>Cable jacket:</b>	LSFRZH
<b>Cable diameter:</b>	7.1mm nominal
<b>Cable weight:</b>	17 kg/500m
<b>Packaging:</b>	305m 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 on a reel

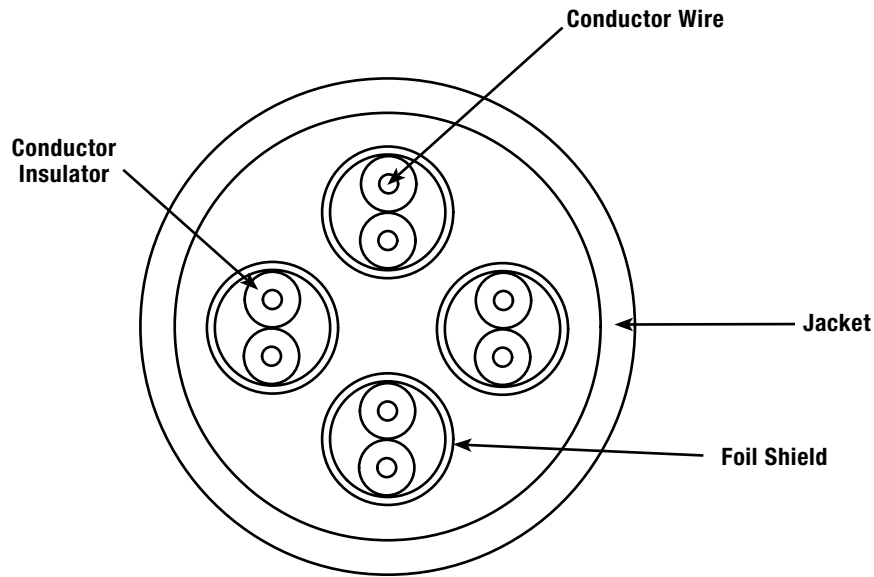
## APPLICATIONS

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 EA 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.

# NetKey™ Category 6A U/UTP Copper Cable

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

## ENGINEERING DRAWING



### WORLDWIDE SUBSIDIARIES AND SALES OFFICES

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1/2024