

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 polyethylene. The copper conductors shall be twisted in pairs. All four pairs shall then be covered with an AXT barrier and LSFRZH jacket. The AXT barrier will suppress the effects of alien crosstalk.



technical information

Part number	NUL6X04**-VEG (** designates jacket color, BU = blue, WH = white)
Electrical performance:	Certified channel performance in a 4-connector configuration up to 100 meters and meets ISO 11801 Class Ea and ANSI/TIA-568.2-D Category 6A standards at swept frequencies up to 500MHz.
Conductors/insulators:	23 AWG solid copper insulated with polyethylene
Flame rating:	IEC 60332-1, IEC 60332-3-22, IEC 60754, IEC 61034 EN 50575: Euroclass Dca-s2-d2-a1
PoE compliance:	Meets IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt for PoE applications
Temperature rating:	-20°C to 75°C (-4°F to 167°F) during operation
Cable jacket:	LSFRZH
Cable diameter:	7.3 mm (0.287 in.) nominal
Cable weight:	16kg/305m (35 lbs./1000 ft.)
Packaging:	305m (1000 ft.) on reel

key features and benefits

Robust cable design	Best-in-class cable diameter delivers superior PSANEXT and PSAACRF suppression
Third party tested	Cable has been tested as part of the NetKey Category Cat6A U/UTP Copper Cabling System by an independent laboratory
Descending length cable markers	Print legend contains length markings from 305m to 0m
Easy payout reel	Ensures proper performance and provides quick installation

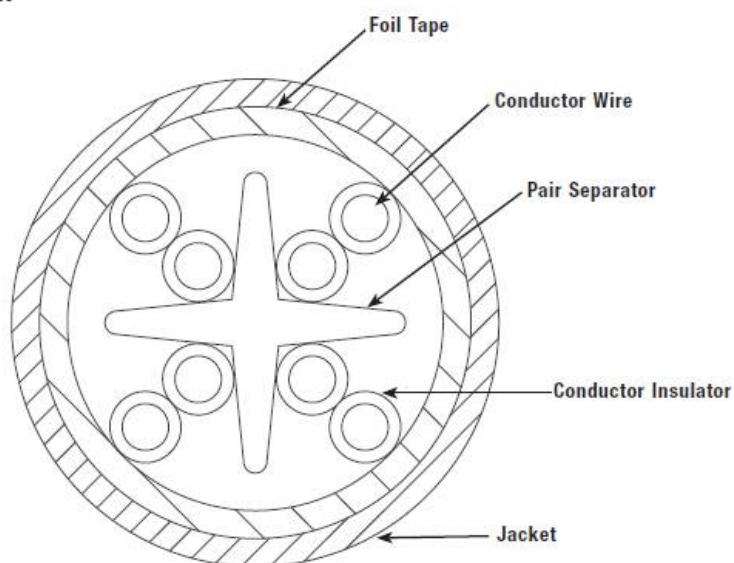
applications

NetKey™ Category 6A U/UTP Copper Cable is a component of the NetKey™ Category 6A U/UTP Copper Cabling System. Interoperable and backward compatible, this end-to-end system provides design flexibility to protect network investments well into the future.

NetKey™ Category 6A U/UTP Copper Cable

Mechanical Test	
Ultimate Breaking Strength	>400 N (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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