

Cat.6 bulk cable

U/UTP, LSZH type jacket



AB356NXT39

Related Products



AB360NXT**



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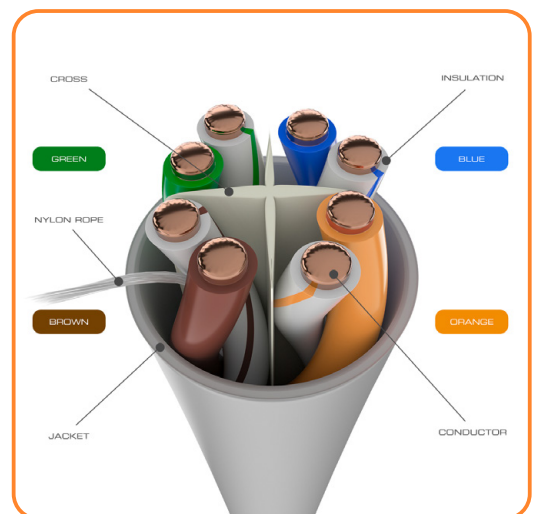
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Exceptional interconnection capability for reliable data transmission

Our Unshielded Twisted Pair (U/UTP) category 6 cable is designed to support transmission speeds of 1 Gigabits per second while ensuring reliable operation at frequencies of 250MHz or higher. Meets all relevant international telecommunications and electrical standards, including IEC61156-5. This cable is constructed with four pairs of 24AWG solid bare copper wires, according to production standards, combined with a high-density polyethylene foam, to ensure maximum strength. An additional benefit of this cable is provided by the low smoke zero halogen jacket known as LSZH. This material is characterized by low smoke, non-toxic and non-corrosive gas emissions when exposed to fire to facilitate safe evacuation in case of fire, which is critical when it comes to protecting human life and equipment during a disaster. Each box contains 1000 feet (305 meters) of cable.



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Product specifications

Wire characteristics

Cable type	CAT6 U/UTP 24AWG 4PR (LSZH)
Number of pairs	4
Number of wires	8
Wire type	Pure copper (99.95% copper)
Wire gauge size	24AWG

Internal characteristics

Internal jacket material	High Density Polyethylene (HDPE)
Average min. thickness	0.2 mm-0.22 mm
Min. thickness	0.2 mm
Color combinations	Blue + Orange + Green + Brown
Pair 1	blue + blue/white
Pair 2	orange + orange/white
Pair 3	green + green/white
Pair 4	brown + brown/white
Cross pair separator	Yes

External characteristics

Flame rating	LSZH
External jacket material	Low Smoke Zero Halogen (LSZH)
Average min. thickness	0.56 mm-0.58 mm
Min. thickness	0.56 mm
Average cable diameter	5.6 ± 0.2 mm
Installation tension	≥13.5MPa
Available jacket colors	Blue

Electrical characteristics

Voltage rating	DC 75V
Temperature rating	-4 – +167 °F
Characteristic impedance (Zo)	100 ± 5 Ω
Conductive resistance	≤ 9.38 Ω / 100 m
DC Resistance capacitance unbalance	≤ 2%
Pair-to-Ground capacitance unbalance	≤ 160 pF / 100 m
Mutual capacitance	5,600 pF / 100 m
Dielectric strength	1.00KV DC or 0.7 KV AC for 1 min
Nominal Velocity of propagation (NVP)	69%
Meets PoE standards	IEEE802.3af, PoE type 1 (15.4 Watts/100m) IEEE802.3at, PoE type 2 (30 Watts/100m) IEEE802.3bt, PoE type 3 (60 Watts/100)

Transmission characteristics

Transmission speed	1,000 Mbps / 1 Gbps Support Base-T Gigabit Speed
Bandwidth	250MHz
Link max. distance	295 ft / 90 m
Channel max. distance	328 ft / 100 m

Certifications and standards

International standards	IEC 61156-5
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Miscellaneous

Color	Blue
MPN	AB356NXT39
UPC	798302037441
Labeling	NEXXT Cat6 UTP Cable 4P 24AWG LSZH 305m BL
Packaging	Color Box + Carton
Cable length	1000 ft / 305 m
Warranty	Limited lifetime*

* For full warranty details, visit: <https://www.nexxtsolutions.com/warranty>

