

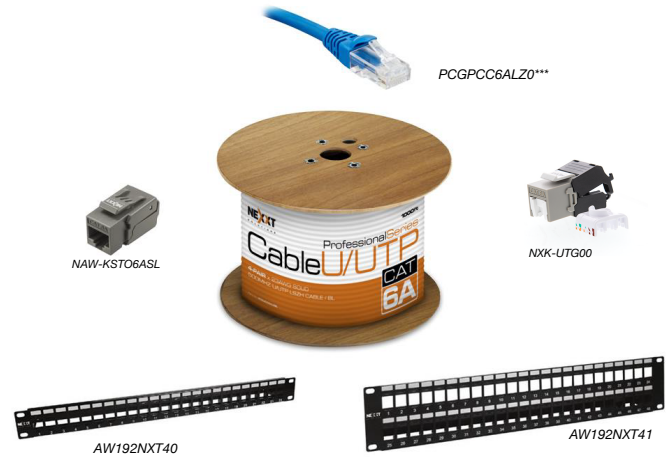
Cat.6A bulk cable

U/UTP, LSZH type jacket



PCGUCC6ALZGR
PCGUCC6ALZBL

Related products



Exceptional interconnection capability for reliable data transmission

Our Unshielded Twisted Pair (U/UTP) category 6A cable is designed to support transmission speeds of 10 Gigabits per second while ensuring reliable operation at frequencies of 500MHz or higher. Meets all relevant international telecommunications and electrical standards, including ANSI/TIA/EIA 568C.2 and ISO/IEC 11801. This cable is constructed with four pairs of wires 23AWG solid bare, according to the production standards, combined with a dielectric polyethylene foam, to ensure maximum strength. An additional benefit of this cable is provided by the low toxicity Halogen known as LSZH Jacket. This material is characterized by low smoke, toxic and corrosive gases when exposed to fire and facilitate the safe evacuation in case of fire, which is critical when it comes to protecting human life and equipment during a disaster. Each wooden reel contains 1000 feet (305 meters) of cable.

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB) Min.	PS NEXT (dB) Min.	ACR-F (dB) Min.	PS ACR-F (dB) Min.	PS AACR-F (dB) Min.	PSA NEXT (dB) Min.	RL (dB) Solid.
1.0	2.1	74.3	72.3	67.8	64.8	67.0	67.0	20.0
4.0	3.8	65.3	63.3	55.8	52.8	66.2	67.0	23.0
8.0	5.3	60.8	58.8	49.7	46.7	60.1	67.0	24.5
10.0	5.9	59.3	57.3	47.8	44.8	58.2	67.0	25.0
16.0	7.5	56.2	54.2	43.7	40.7	54.1	67.0	25.0
20.0	8.4	54.8	52.8	41.8	38.8	52.2	67.0	25.0
25.0	9.6	53.3	51.3	39.8	36.8	50.2	67.0	24.3
31.25	10.5	51.9	49.9	37.9	34.9	48.3	67.0	23.6
62.5	15.0	47.4	45.4	31.9	28.9	42.3	65.6	21.5
100.0	19.1	44.3	42.3	27.8	24.8	38.2	62.5	20.1
200.0	27.6	39.8	37.8	21.8	18.8	30.2	58.0	18.0
250.0	31.1	38.3	36.3	19.8	16.8	30.2	56.5	17.3
300.0	34.3	37.1	35.1	18.3	15.3	28.7	55.3	16.8
400.0	40.1	35.3	33.3	15.8	12.8	26.2	53.5	15.9
500.0	45.3	33.8	31.8	13.8	10.8	24.2	52.0	15.2

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U/UTP, LSZH type jacket

Product specifications

Wire characteristics	
Cable type	Unshielded Twisted Pair "U/UTP"
Number of pairs	4
Number of wires	8
Wire type	Solid bare copper
Wire gauge size	23 AWG
Internal characteristics	
Internal jacket material	HDPE(CMI-75E)
Average min. thickness	0.208mm
Min. thickness	0.195mm
Color combinations	
Pair 1	Blue and white / Blue
Pair 2	Orange and white / Orange
Pair 3	Green and white / Green
Pair 4	Brown and white / Brown
Shield type	Non-shielded
External characteristics	
External jacket designation	LSZH
External jacket material	Low Smoke Zero Halogen (LSZH)
Average min. thickness	0.685mm
Min. thickness	0.558mm
Average cable diameter	7.8mm ± 0.3mm
Max. strength	11kg
Available jacket colors	Gray, and blue
Electrical Characteristics	
Voltage rating	75V
Temperature rating	75°C
Characteristic impedance (Zo)	85-115Ω (1-500MHz)
Conductive resistance	Max 7.32Ω / 100M 20°C
DC resistance capacitance unbalance	5%
Pair-to-ground capacitance unbalance	Max 330 pF/100m
Mutual capacitance	Max 5,600 pF/100m
Dielectric strength	DC 2.5kV/2sec or AC 1.75kV/2sec
Nominal velocity of propagation (NVP)	70%
Transmission characteristics	
Transmission speed	10.000Mbps / 10 Gbps
Bandwidth	500MHz
Link max. distance	90m
Certifications and standards	
International standards	ANSI/TIA/EIA-568-C.2 and ISO/IEC 11801 Meets IEEE 802.3af and IEEE 802.3at for PoE applications
Miscellaneous	
Color	Grey Blue
MPN	PCGUCC6ALZGR PCGUCC6ALZBL
UPC	798302034327 798302033306
Labeling	NEXXT U/UTP INSTALL CABLE 23AWG 4PR ANSI/TIA 568C.2 CAT6A LSZH XXXXXX-X XXXM www.nexxtsolutions.com
Packaging	Wooden reel
Cable length	1,000ft / 305m
Cu.ft.	1.67
Warranty	Limited lifetime. For full warranty details, visit: https://www.nexxtsolutions.com/warranty

