

Cat.6 bulk cable

UTP, CM type jacket



AB356NXT01
AB356NXT02
AB356NXT03



AB356NXT01



AB356NXT02



AB356NXT03

Related products



AB361NXT*



AW160NXT**



AW120NXT*



AW191NXT*

Exceptional interconnection capability for reliable data transmission

Our UTP category 6 cable is designed for top speed data transmission and consists of 4-pair 23 AWG copper wires. Manufactured in accordance with the highest data transmission standards for LAN networks, the Cat.6 twisted pair configuration guarantees top performance and meets all international telecommunications and electrical standards, including ANSI/TIA/EIA-568 C.2, and ISO/IEC 11801. It is perfect for structured cable installations of all kinds. Each box contains a reel with 1000 feet (305 meters) of cable.

Frequency (MHz)	Insertion Loss (dB/100m)		Return Loss (dB/100m)		NEXT (dB) Min.	PS NEXT (dB) Min.	ACR-F (dB) Min.	PS ACR-F (dB) Min.	TCL (dB) Min.	ELTCTL (dB) Min.
	Max.	Min.	Max.	Min.						
1	1.8	29.6	80.8	78.3	77.6	75.8	56.4	44.1		
4	3.7	28.7	72.5	70.0	66.5	65.9	49.7	32.2		
8	5.2	26.1	71.2	75.8	61.3	58.7	49.6	31.9		
10	6.0	26.0	67.4	70.0	59.7	56.7	51.0	31.3		
16	7.5	30.4	69.9	66.8	55.4	52.7	50.9	30.6		
20	8.6	27.9	64.8	65.0	56.8	52.9	53.0	30.2		
25	9.5	28.8	63.4	65.4	51.0	49.9	47.1	29.1		
31.25	10.7	29.9	61.8	62.9	50.2	47.5	49.1	28.7		
62.5	15.3	27.5	57.8	56.8	42.1	40.0	39.9	26.3		
100	19.6	31.3	51.3	54.3	32.7	31.8	35.9	23.5		
160	24.8	23.3	50.2	49.0	28.5	26.7	33.1	20.7		
200	28.2	22.9	48.9	45.8	24.6	23.2	31.6	19.1		
250	31.6	23.4	44.9	42.6	20.6	19.2	30.2	7.4		
300	34.7	20.4	44.4	40.2	16.5	16.4	30.0	7.2		



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Product specifications

Wire characteristics	
Cable type	UTP "Unshielded Twisted Pair"
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	0.178mm
Min. thickness	0.153mm
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
External characteristics	
External jacket designation	CM
External jacket material	75°C PVC (CMI-80S)
Average min. thickness	0.585mm
Min. thickness	0.458mm
Average cable diameter	6.3mm ± 0.3mm
Max. strength	11kg
Available jacket colors	Gray, blue, red
Electrical characteristics	
Voltage rating	300V
Temperature rating	75°C
Characteristic impedance (Zo)	85-115Ω (1-250 MHz)
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)	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/100m)
Transmission characteristics	
Transmission speed	1,000 Mbps / 1 Gbps
Bandwidth	250MHz
Link max. distance	90m
Channel max. distance	100m
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
UL Certificate	20080117 – E318654, DUZX.E318654, DVBI.356966
ETL certificate	100227874CRT-001f
Miscellaneous	
Color	GRAY BLUE RED
MPN	AB356NXT01 AB356NXT02 AB356NXT03
UPC	798302010192 798302010147 798302010178
Labeling	NEXXT U/UTP INSTALL CABLE 23AWG 4PR CM 75 °C (UL) E318654 ETL Verified rated ANSI/TIA 568C.2 CAT.6 XXXXXX-X XXXM www.nexxtsolutions.com
Packaging	Carton box
Cable length	1000ft/ 305m
Cu.ft.	1.62
Warranty	Limited lifetime. For full warranty details, visit: https://www.nexxtsolutions.com/warranty

