

Cat.5E bulk cable

U/UTP, CM type jacket





AB355NXT21

Related products



AB360NXT*



AW160NXT**



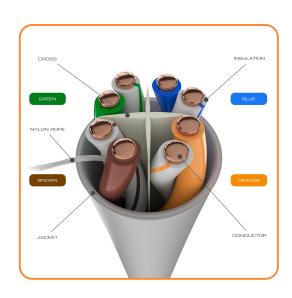
AW110NXT*



AW190NXT*

Our U/UTP category 5E cable is designed for top speed data transmission and consists of 4-pair 24 AWG copper wires. Manufactured in accordance with the highest data transmission standards for LAN networks, the Cat.5E 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 328 feet (100 meters) of cable.

Frequency (MHz)	Insertion Loss (dB/100m) Max.	Return Loss (dB/100m) Min.	NEXT (dB) Min.	PS NEXT (dB) Min	ACR-F (dB) Min.	PS ACR-F (dB) Min.
1	2.0	28.9	70.8	68.5	71.2	69.7
4	4.1	31.1	65.3	58.9	59.2	58.5
8	5.8	28.3	62.8	56.8	50.6	49.8
10	6.7	27.5	58.2	56.3	50.4	48.1
16	8.3	27.3	56.0	54.4	49.8	47.3
20	9.5	27.4	51.3	49.9	44.1	44.8
25	10.6	30.9	50.3	47.4	42.0	42.7
31.25	11.9	33.1	48.9	46.8	41.4	40.1
62.5	17.0	26.1	43.8	41.9	32.9	32.5
100	21.9	19.0	40.2	38.4	29.6	29.5
160	27.8	20.8	38.4	36.4	23.7	23.4



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Professional Series

Product specifications

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	24 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	0.50mm ± 0.05mm			
Min. thickness	0.458mm			
Average cable diameter	5.3mm ± 0.3mm			
Max. strength	11kg			
Available jacket colors	Gray			
Available jacket colors	Electrical characteristics			
Voltage rating	300V			
Temperature rating	75°C			
Characteristic impedance (Zo)	85-115Ω (1-100MHz)			
Conductive resistance	Max. 9.38Ω/ 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 CC/2sec or AC 1.75kV/2sec			
Nominal velocity of propagation (NVP)	69%			
Meets PoE standards	IEEE802.3af, PoE type 1 (15.4 watts/100m)			
Weets For Standards	IEEE802.3at, PoE type 2 (30 watts/100m)			
	IEEE802.3bt, PoE type 3 (60 watts/100)			
	Transmission characteristics			
Transmission speed	100Mbps			
Bandwidth	100MHz			
Link max. distance	90m			
Channel max. distance	100m			
Charmer max. distance	Certifications and standards			
International standards	ANSI/TIA/EIA-568-C.2 and ISO/IEC 11801			
UL certificate	20080117 – E318654-1, DUZX.E318654, DVBI.E356966			
ETL certificate	100227874CRT-001f			
ETE Certificate	Miscellaneous			
Color				
MPN	Gray AB355NXT21			
UPC	798302036086			
Labeling	NEXXT U/UTP INSTALL CABLE 24AWG 4PR CM 75 °C (UL) E318654-1			
Labelling	ANSI/TIA 568C.2 CAT.5E XXXXXXX-X XXXM www.nexxtsolutions.com			
Pookoging				
Packaging Cable length	Carton box			
Cable length	328ft / 100m			
Cu.ft.	PENDING			
Warranty	Limited lifetime. For full warranty details, visit:			
	https://www.nexxtsolutions.com/warranty			









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