

Cat.5E bulk cable

UTP, CM type jacket



AB355NXT01
AB355NXT02



AB355NXT01



AB355NXT02

Related products



AB360NXT**



AW160NXT**



AW110NXT**

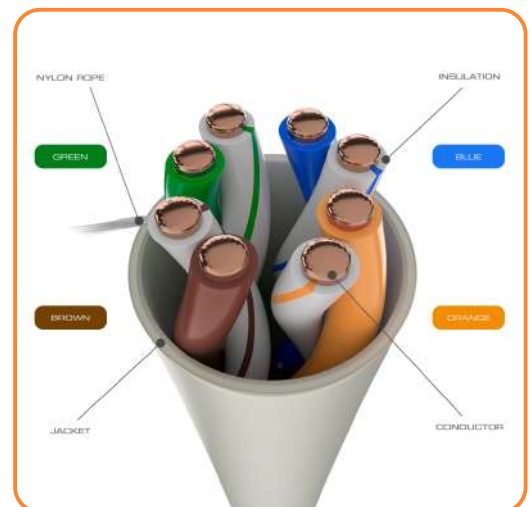


AW190NXT**

Exceptional interconnection capability for reliable data transmission

Our 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 1000 feet (305 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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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	0.585mm
Min. thickness	0.458mm
Average cable diameter	5.3mm ± 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 (1-100 MHz)
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) 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
Certifications and standards	
International Standards	ANSI/TIA/EIA-568-C.2 and ISO/IEC 11801
UL certificate	20080117 – E318654, DUZX.E318654, DVBI.E356966
ETL certificate	100227874CART-001e
Miscellaneous	
Color	GRAY BLUE
MPN	AB355NXT01 AB355NXT02
UPC	798302010215 798302010222
Labeling	NEXXT U/UTP INSTALL CABLE 24AWG 4PR CM 75 °C (UL) E318654 ETL Verified rated ANSI/TIA 568C.2 CAT.5E XXXXXXXX-X XXXM www.nexxtsolutions.com
Packaging	Carton box
Cable length	1000ft/ 305m
Cu.ft.	1.08
Warranty	Limited lifetime. For full warranty details, visit: https://www.nexxtsolutions.com/warranty

