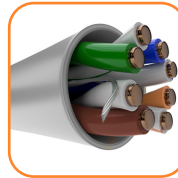


Cat.6 UTP Cable with CMX-type jacket



AB356NXT41



AB356NXT41

Related products



AB360NXT**



AW160NXT**



AW110NXT**

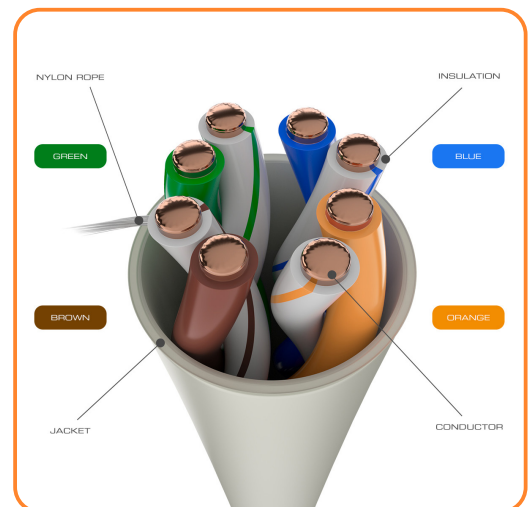


AW190NXT**

Exceptional interconnection capability for reliable data transmission

Our Unshielded Twisted Pair (UTP) category 6 cable is designed to support transmission speeds of 1 gigabit per second while ensuring reliable operation at frequencies of 250MHz 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 solid bare 24 AWG wires, according to the production standards, combined with a dielectric polyethylene foam, to ensure maximum strength. This is a Communications Multipurpose Cable that supports ethernet deployments in single-story commercial or industrial buildings. Each carton box contains 328 feet (102 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.	TCL (dB) Min.	PS ACR-F (dB) Min.
1	1,7	25,6	78,6	75,5	75	73,1	57,2	54,3
4	3,5	25,3	73,5	71,9	62,5	60,5	55,96	52,96
8	5	28	67,1	65,6	58	55,6	49,94	46,94
10	5,6	28,1	66,1	64,1	57,5	55,3	48	45
16	7,1	29,7	62,6	60,4	52,6	50,4	43,92	40,92
20	8	27,6	59,7	57,3	48,7	46,1	41,98	38,98
25	9	24,4	58,7	55,7	45,4	43,7	40,04	37,04
31,25	10,1	31,1	57,1	55,3	48,9	46,2	38,1	35,1
62,5	14,4	34,6	51,1	48,8	41	39	32,08	29,08
100	18,3	23,2	50,7	46,4	34,2	30,9	28	25
160	23,4	24,7	45,8	43,1	30,5	28	26,06	23,06
200	26,3	20,6	42,2	41,3	29,7	28,7	21,98	18,98
250	29,6	23,3	40,8	38,1	22,1	20,1	20,04	17,04



Cat.6 UTP Cable

with CMX-type jacket

Product specifications

Wire characteristics	
Cable type	Cat6 UTP
Number of pairs	4 Pairs
Number of wires	8 Wires
Wire type	Pure Copper (99.95% Copper)
Wire gauge size	24AWG (0.52mm)
Internal characteristics	
Internal jacket material	High density Polyethylene (HDPE)
Average min. thickness	0.2mm-0.22mm
Min. thickness	0.2mm
Color combinations	
Pair 1	blue stripe + white / blue stripe
Pair 2	orange stripe + white / orange stripe
Pair 3	green stripe + white / green stripe
Pair 4	brown stripe + white / brown stripe
Shield Type	cross member
External characteristics	
External jacket designation	CMX
External jacket material	Polyvinyl chloride (PVC)
Average min. thickness	0.56mm-0.58mm
Min. thickness	0.56mm
Average cable diameter	5.6±0.2mm
Max. strength	≥ 13.5 MPa
Available jacket colors	Grey
Electrical characteristics	
Voltage rating	75V
Temperature rating	"-40—+60°C
Characteristic impedance (Zo)	100 ± 5 Ω
Conductive resistance	≤ 9.5 Ω / 100m
DC resistance capacitance unbalance	≤ 2% one pair
Pair-to-ground capacitance unbalance	≤ 160 pF / 100m
Mutual capacitance	5600pF / 100m MAX
Dielectric strength	≥13.5MPa
Nominal velocity of propagation (NVP)	69%
Power Over Ethernet (PoE)	Meets POE, POE+, UPOE
Transmission characteristics	
Transmission speed	1,000 Mbps / 1 Gbps
Bandwidth	250MHz
Link max. distance	90M
Channel max. distance	100M
Certifications and standards	
International Standards	IEC61156-5
UL certificate	UL444, UL1424
ETL certificate	ANSI/TIA-568.2-D Category 6
Miscellaneous	
Color	Gray
MPN	AB356NXT41
UPC	798302037052
Labeling	NEXXT UTP CAT6 24AWG 4PR CMX 75°C ANSI/TIA 568C.2 E318654 (UL) WWW.NEXXTSOLUTIONS.COM XXX-XXXM
Packaging	Carton pull box
Cable length	334ft / 102m
Warranty	Limited lifetime. For full warranty details, visit: www.nexxtsolutions.com/warranty

