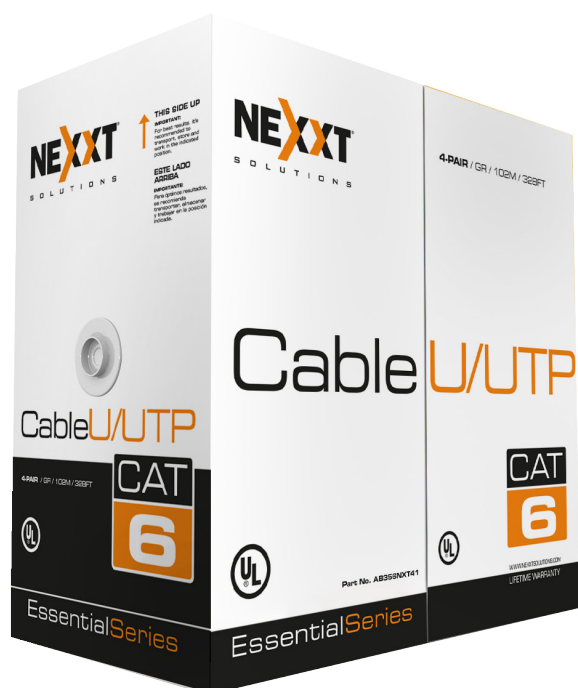


Cat.6 cable

U/UTP CMX Indoor type jacket



AB356NXT41



AB356NXT41

Related products



AB360NXT**



AW160NXT**



AW110NXT**

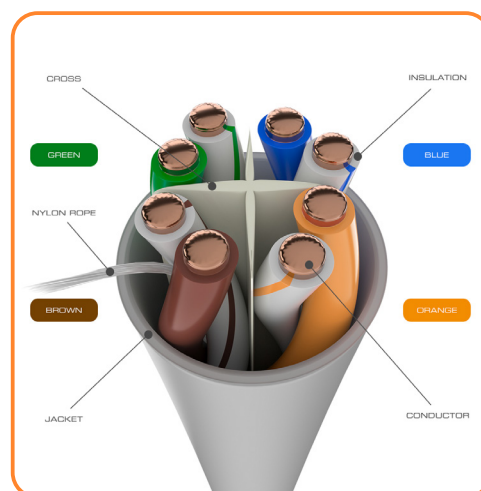


AW190NXT**

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 568.2-D 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 cable

U/UTP CMX Indoor type jacket

Product specifications

Wire characteristics	
Cable type	UTP "Unshielded Twisted Pair"
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
Cross pair separator	Yes
External characteristics	
Flame Rating	CMX (Indoor Use)
External jacket material	PVC 75°
Average min. thickness	0.56mm-0.58mm
Min. thickness	0.56mm
Average cable diameter	5.6±0.2mm
Installation Tension	25 lbf (110N) max.
Available jacket colors	Grey
Electrical characteristics	
Voltage rating	70V
Temperature rating	-20°C - 75°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%
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	1,000Mbps / 1 Gbps Supports Base-T Gigabit Speed
Bandwidth	250MHz
Link max. distance	90M
Channel max. distance	100M
Certifications and standards	
International Standards	ANSI/TIA-568.2-D / ISO/IEC 11801 / EN 50173
UL certificate	UL444, UL1424
ETL certificate	ETL Full Channel #CoC 100227874CRT-001f
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-XXXXM
Packaging	Carton pull box
Cable length	334ft / 102m
Cu. ft	1.38
Warranty	Limited lifetime. For full warranty details, visit: www.nexxtsolutions.com/warranty

