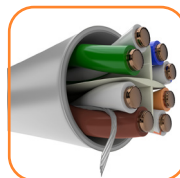


Cat.6 cable

U/UTP CMR type jacket



AB356NXT36



AB356NXT36

Related products



AB360NXT**



AW160NXT**



AW110NXT**



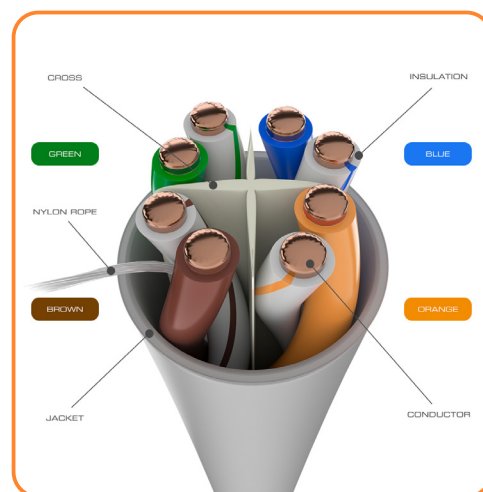
AW190NXT**

Exceptional interconnection capability for reliable data transmission

Our Unshielded Twisted Pair (U/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. Its PoE capabilities allow it to deliver both data and power to PoE-enabled devices such as IP cameras, access points and VoIP phones.

Constructed with four pairs of 24AWG, solid bare copper wires combined with a dielectric polyethylene foam to ensure maximum strength, this cable is ideal for ethernet deployments in single-story commercial or industrial buildings. Its flame-resistant, CMR-rated jacket (Communications Multipurpose Cable Riser) self-extinguishes when ignited, preventing flames from traveling up the cable and spreading between floors or vertical shafts in case of fire. Meets all relevant international telecommunications and electrical standards, including ANSI/TIA/EIA 568.2-D and ISO/IEC 11801. Each easy-pull carton box contains 1000 ft (350 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 CMR 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
Internal characteristics	
Internal jacket material	High density Polyethylene (HDPE)
Average min. thickness	0.22 mm
Min. thickness	0.20 mm
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	CMR (Riser)
External jacket material	PVC 75°
Average min. thickness	0.56mm-0.58mm
Min. thickness	0.58mm
Average cable diameter	5.8± 0.2mm
Installation Tension	25 lbf (110N) max.
Available jacket colors	Gray
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%
Pair-to-ground capacitance unbalance	≤ 160 pF / 100m
Mutual capacitance	5600pF / 100m MAX
Dielectric strength	1.00KV DC or 0.7 KV AC for 1 min
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 Speeds
Bandwidth	100MHz
Link max. distance	90m
Channel max. distance	100m
Certifications and standards	
International Standards	ANSI/TIA-568.2-D / ISO/IEC 11801 / EN 50173 / IEC 61156-5
UL certificate	UL444 / UL 1581.1080 EN 60332-1-2 / E318654
ETL certificate	ETL Full Channel #CoC 100227874CRT-001f
Miscellaneous	
Labeling	NEXXT UTP CAT6 24AWG 4PR CMR 75°C ANSI/TIA 568C.2 E318654 (UL) WWW.NEXXTSOLUTIONS.COM 001-305M
Packaging	Easy-pull carton box
Cable length	1000 ft (305 m)
Cu.ft.	2.54
Warranty	Lifetime warranty

