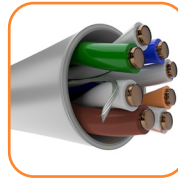


Cat.5E bulk cable

U/UTP CMX type jacket



AB355NXT41



AB355NXT41

Related products



AB360NXT**



AW160NXT**



AW110NXT**

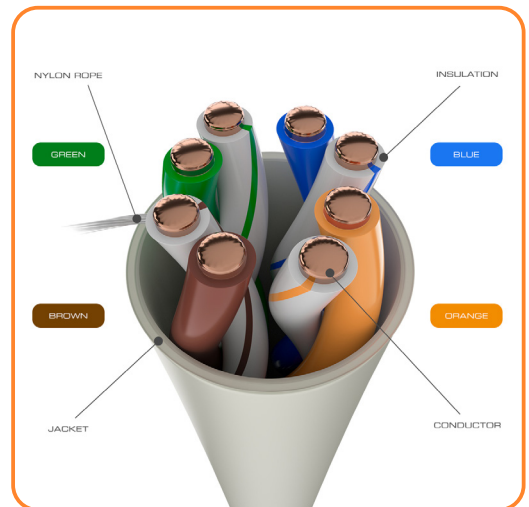


AW190NXT**

Exceptional interconnection capability for reliable data transmission

Our Unshielded Twisted Pair (U/UTP) category 5e cable is designed to support transmission speeds of 1 gigabit per second while ensuring reliable operation at frequencies of 100MHz 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. It meets all relevant international telecommunications and electrical standards, including ANSI/TIA/EIA 568C.2 and ISO/IEC 11801. This Communications Multipurpose Cable has been constructed in compliance with production standards, with four pairs of solid bare copper 25AWG wires combined with a dielectric polyethylene foam to ensure maximum strength, ideal for ethernet deployments in single-story commercial or industrial buildings. Each easy-pull carton box contains 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.	TCL (dB) Min.	PS ACR-F (dB) Min.
1	1,85	27,15	79,72	75,92	71,25	68,45	53,55	49,85
4	3,76	28,22	68,64	66,25	58,92	58,15	51,96	48,96
8	5,25	31,42	62,81	58,73	51,22	49,32	45,94	42,94
10	6,15	32,75	60,52	57,42	49,51	48,22	44	41
16	7,42	35,62	55,94	53,22	45,15	45,15	39,92	36,92
20	8,42	40,15	54,92	52,65	46,31	43,26	37,98	34,98
25	9,38	35,74	51,86	50,14	43,52	41,22	36,04	33,04
31,25	10,55	36,45	53,24	50,43	38,66	36,74	34,1	31,1
62,5	15,24	35,42	44,18	42,73	33,92	32,96	28,08	25,08
100	19,35	25,41	44,53	41,62	30,15	28,63	24	23,65
150	25,22	17,75	37,25	36,65	27,24	25,54	21,26	20,22
200	27,68	23,72	37,95	34,62	24,32	25,16	18,54	17,64
250	32	20,84	34,62	33,55	20,82	18,12	15,85	14,88
300	34,45	18,32	31,75	30,52	16,35	14,95	12,62	12,62



Cat.5E bulk cable

U/UTP CMX type jacket

Product specifications

Wire characteristics	
Cable type	Cat. 5e UTP (Unshielded Twisted Pair)
Number of pairs	4
Number of wires	8
Wire type	Solid bare copper
Wire gauge size	25 AWG
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
External characteristics	
External jacket designation	PVC
External jacket material	7PVC CMX
Average min. thickness	0.46 mm - 0.48 mm
Min. thickness	0.46 mm
Average cable diameter	4.6± 0.2 mm
Max. strength	≥ 13.5 MPa
Available jacket colors	Gray
Electrical characteristics	
Voltage rating	48VDC
Temperature rating	40-60°C
Characteristic impedance (Zo)	100 ± 5 Ω
Conductive resistance	≤ 9.38 Ω / 100 m
DC resistance capacitance unbalance	≤ 2%
Pair-to-ground capacitance unbalance	≤ 160 pF / 100 m
Mutual capacitance	Max. 5600pF / 100 m
Dielectric strength	1.00 kV DC or 0.7 kV AC/1 min
Nominal velocity of propagation (NVP)	69%
Meets PoE standards	Meets POE, POE+ and UPOE
Transmission characteristics	
Transmission speed	1 Gbps
Bandwidth	100MHz
Link max. distance	90m
Channel max. distance	100m
Certifications and standards	
International Standards	CE, ROHS, ISO
UL certificate	UL CM
Miscellaneous	
Color	GRAY
MPN	AB355NXT41
UPC	798302037007
Labeling	NEXXT U/UTP CABLE 25AWG 4PR CMX 75 °C (UL) E318654 ETL Verified rated ANSI/TIA 568C.2 CAT.5E XXXXXXXX-X XXXM www.nexxtsolutions.com
Packaging	Carton pull box
Cable length	328 ft/ 100 m
Warranty	Limited lifetime. For full warranty details, visit: https://www.nexxtsolutions.com/warranty

