

Cat 5e Cable

U/UTP, CM type jacket



AB355NXT31 - Gray



AB355NXT32 - Blue

Related products



AB361NXT*



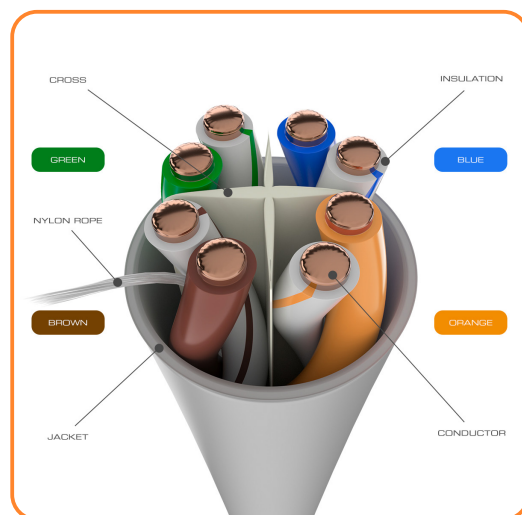
AW120NXT*



AW160NXT*

Our Unshielded Twisted Pair (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. 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 24AWG wires, according to the production standards, combined with a dielectric polyethylene foam, to ensure maximum strength. An additional benefit of this cable is provided by its flame-resistant-rated jacket, known as CM. This is a Communications Multipurpose Cable that supports ethernet deployments in single-story commercial or industrial buildings. Each carton box contains 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	1.9	26.1	80.6	75.9	73.8	70.9
4	3.7	25.7	67	63.4	58.9	56.1
8	5.2	28.3	66.8	60.8	52.7	50.2
10	5.8	27.5	63.4	57	53	51.4
16	7.4	27.5	62.2	53.9	47.1	46.1
20	8.3	31	55.1	52.8	44.1	42.2
25	9.3	33.1	54.5	50.9	45.5	42.3
31.25	10.5	33.9	54.7	51.8	45	40.8
62.5	15	22.9	49.3	46.6	39.6	37.3
100	19.3	28.5	46.7	39.4	34.9	34
160	24.7	20.7	37.2	37.5	27.2	24.7
200	28.1	21	36.2	35.9	25.8	23.4
250	31.5	17.1	33.4	32.7	20.6	18.9
300	35.1	16	30.8	29.8	18.7	16.7



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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	24AWG
Internal characteristics	
Internal jacket material	High Density Polyethylene (HDPE)
Average min. thickness	0.92mm
Min. thickness	0.95mm
Color combinations	
Pair 1	Blue / Blue and white
Pair 2	Orange / Orange and white
Pair 3	Green / Green and white
Pair 4	Brown / Brown and white
Cross pair separator	Yes
External characteristics	
Flame Rating	CM
External jacket material	PVC 75°
Average min. thickness	0.50mm
Min. thickness	0.50mm
Average cable diameter	6.0mm
Installation Tension	25 lbf (110N) Maximum
Available jacket colors	Gray and blue
Electrical characteristics	
Voltage rating	70V
Temperature rating	-20°C - 75°C
Characteristic impedance (Zo)	110Ω
Conductive resistance	9.5Ω/100m
DC resistance capacitance unbalance	≤2% one pair
Pair-to-ground capacitance unbalance	≤160pF/100m
Mutual capacitance	5600 pF/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)
Transmission characteristics	
Transmission speed	100Mbps (supports up to Gigabit ethernet speed)
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, UL1424, E318654
ETL certificate	ETL Full Channel #CoC 100227874CRT-001e
Miscellaneous	
Color	GRAY BLUE
MPN	AB355NXT31 AB355NXT32
UPC	798302036710 798302036758
Labeling	NEXXT U/UTP CABLE 24AWG 4PR CM 75 °C (UL) E318654 ETL Verified rated ANSI/TIA 568C.2 CAT.5E XXXXXX-X XXXM www.nexxtsolutions.com
Packaging	Carton pull box
Cable length	1000ft / 305m
Cu.ft	2,01
Warranty	Limited lifetime.*

*For full warranty details, visit: <https://www.nexxtsolutions.com/warranty>

