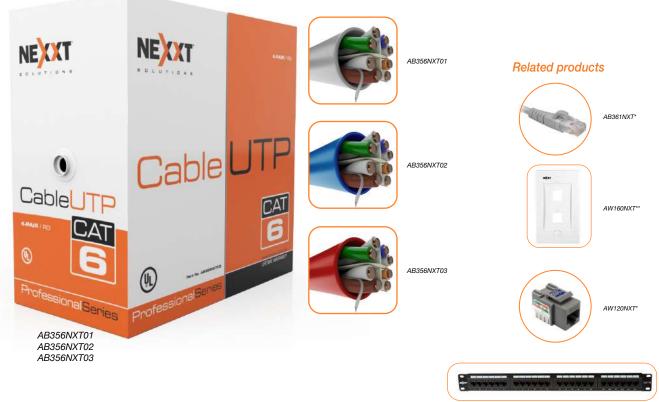


Cat.6 bulk cable

UTP, CM type jacket

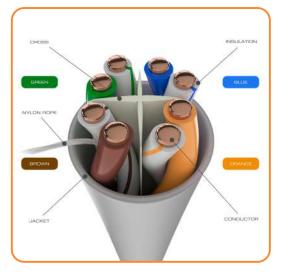


AW191NXT*

Exceptional interconnection capability for reliable data transmission

Our UTP category 6 cable is designed for top speed data transmission and consists of 4-pair 23 AWG copper wires. Manufactured in accordance with the highest data transmission standards for LAN networks, the Cat.6 twisted pair configuration guarantees top performance and meets all international telecommunications and electrical standards, including ANSI/TIA/EIA-568 C.2, and ISO/IEC 11801. It is perfect for structured cable installations of all kinds. Each box contains a reel with 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.	TCL (dB) Min.	ELTCTL (dB) Min.
1	1.8	29.6	80.8	78.3	77.6	75.8	56.4	44.1
4	3.7	28.7	72.5	70.0	66.5	65.9	49.7	32.2
8	5.2	26.1	71.2	75.8	61.3	58.7	49.6	31.9
10	6.0	26.0	67.4	70.0	59.7	56.7	51.0	31.3
16	7.5	30.4	69.9	66.8	55.4	52.7	50.9	30.6
20	8.6	27.9	64.8	65.0	56.8	52.9	53.0	30.2
25	9.5	28.8	63.4	65.4	51.0	49.9	47.1	29.1
31.25	10.7	29.9	61.8	62.9	50.2	47.5	49.1	28.7
62.5	15.3	27.5	57.8	56.8	42.1	40.0	39.9	26.3
100	19.6	31.3	51.3	54.3	32.7	31.8	35.9	23.5
160	24.8	23.3	50.2	49.0	28.5	26.7	33.1	20.7
200	28.2	22.9	48.9	45.8	24.6	23.2	31.6	19.1
250	31.6	23.4	44.9	42.6	20.6	19.2	30.2	7.4
300	34.7	20.4	44.4	40.2	16.5	16.4	30.0	7.2



www.nexxtsolutions.com

Nexxt Solutions®("Nexxt") is a registered trademark. Nexxt reserves the right to change any specifications without prior notice. The information contained in this product sheet is the proprietary property of Nexxt, and may not be used, reproduced or disclosed to others, in whole or in part, without written authorization of Nexxt. Although Nexxt has taken precautions to ensure the accuracy of the product specifications at the time of publication, however, we cannot be responsible for the errors, omissions, or changes due to obsolescence. If you would like to know more about our products, please visit our website at www.NexxtSolutions.com.



Cat.6 bulk cable

UTP, CM type jacket

Professional Series

Product specifications

	Wire characteristics					
Cable type	UTP "Unshielded Twisted Pair"					
Number of pairs	4					
Number of wires						
Nire type	Solid bare copper					
Vire gauge size	23 AWG					
	Internal characteristics					
nternal jacket material	HDPE (CMI-75E)					
Average min. thickness	0.178mm					
Min. thickness	0.153mm					
Color combinations						
Pair 1	Blue and white / Blue					
Pair 2	Orange and white / Orange					
Pair 3	Green and white / Green					
Pair 4	Brown and white / Brown					
	External characteristics					
External jacket designation	СМ					
External jacket material	75°C PVC (CMI-80S)					
Average min. thickness	0.585mm					
Min. thickness	0.458mm					
Average cable diameter	6.3mm ± 0.3mm					
Max. strength	11kg					
Available jacket colors	Gray, blue, red					
	Electrical characteristics					
/oltage rating	300V					
Temperature rating	75°C					
Characteristic impedance (Zo)	85-115Ω (1-250 MHz)					
Conductive resistance	Max 7.32Ω / 100M 20°C					
DC resistance capacitance unbalance	5%					
Pair-to-ground capacitance unbalance	Max. 330 pF/100m					
Mutual capacitance	Max. 5,600 pF/100m					
Dielectric strength	DC 2.5kV/2sec or AC 1.75kV/2sec					
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/100m)					
	Transmission characteristics					
Transmission speed	1,000 Mbps / 1 Gbps					
Bandwidth	250MHz					
Link max. distance	90m					
Channel max. distance	100m					
	Certifications and standards					
nternational Standards	ANSI/TIA/EIA-568-C.2 and ISO/IEC 11801					
International Standards	Meets IEEE 802.3af and IEEE 802.3at for PoE applications					
JL Certificate	20080117 – E318654, DUZX.E318654, DVBI.356966					
ETL certificate	100227874CRT-001f					
Color	Miscellaneous GRAY BLUE RED					
MPN	AB356NXT01 AB356NXT02 AB356NXT03					
	798302010192 798302010147 798302010173 NEXXT U/UTP INSTALL CABLE 23AWG 4PR CM 75 °C (UL) E318654					
Labeling						
	ETL Verified rated ANSI/TIA 568C.2 CAT.6 XXXXXX-X XXXM					
Dealeasing	www.nexxtsolutions.com					
Packaging	Carton box					
Cable length	1000ft/ 305m					
-	1.62					
Cu.ft.						
-	Limited lifetime. For full warranty details, visit: https://www.nexxtsolutions.com/warranty					



www.nexxtsolutions.com

Nexxt Solutions® ("Nexxt") is a registered trademark. Nexxt reserves the right to change any specifications without prior notice. The information contained in this product sheet is the proprietary property of Nexxt, and may not be used, reproduced or disclosed to others, in whole or in part, without written authorization of Nexxt. Although Nexxt has taken precautions to ensure the accuracy of the product specifications at the time of publication, however, we cannot be responsible for the errors, omissions, or changes due to obsolescence. If you would like to know more about our products, please visit our website at www.NexxtSolutions.com.