

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 568C.2 and ISO/IEC 11801. This cable is constructed with four pairs of solid bare 23 AWG 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 riser-rated jacket, known as CMR of Communications Multipurpose Cable. This material is designed to prevent fires from spreading between floors or vertical shafts, due to its self-extinguishing properties when ignited. Each carton box 1000 feet (305 meters) of cable.



NGC-3UURGT00
NGC-3UURBT00

Related products



AB361NXT**

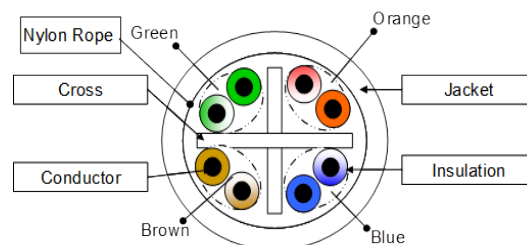


AW120NXT**



AW191NXT**

Frequency (MHz)	Insertion loss (dB/100m) Max.	Return loss (dB/100m) limit	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



Product specifications

Wire characteristics	
Cable type	Unshielded Twisted Pair (UTP)
Number of pairs	4
Number of wires	8
Wire material	Solid bare copper
Wire gauge size	23AWG
Internal characteristics	
Internal 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	CMR
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 color	Gray and blue
Electrical characteristics	
Voltage rating	75V
Temperature rating	75°C
Characteristic impedance (Zo)	85-115Ω (1-250MHz)
Conductive resistance	Max. C/ 100M, 20°C
DC Resistance capacitance unbalance	5%
Pair-to-ground capacitance unbalance	Max. 330 pF/100m
Mutual capacitance	Max. 5600 pF/100m
Dielectric strength	DC 2,5kV/2sec or AC 1,75kV/2sec
Nominal Velocity of propagation (NVP)	69%
Power Over Ethernet (PoE)	IEEE802.3af type 1 (15.4 watts/100m) IEEE802.3at type 2 (30 watts/100m) IEEE802.3bt, type 3 (60 watts/100m)
Transmission characteristics	
Transmission speed	1,000Mbps / 1Gbps
Bandwidth	250MHz
Link max. distance	90m
Certifications and standards	
International standards	ANSI/TIA/EIA-568-C.2 and ISO/IEC 11801
UL certificate	20080117 – E318654, DUZX.E318654, DVBI.E356966
ETL certificate	Pending
Miscellaneous	
Color	GRAY BLUE
MPN	NGC-3UURGT00 NGC-3UURBT00
UPC	798302036024 798302036031

Labeling	NEXXT U/UTP CABLE 23AWG 4PR CM 75 °C (UL) E318654 ETL Verified rated ANSI/TIA 568C.2 CAT.6 XXXXXXXX-X XXXM www.nexxtsolutions.com	
Packaging	Carton box	
Cable length	1000ft / 305m	
Cu.ft	1.62	
Warranty	Limited lifetime warranty*	

