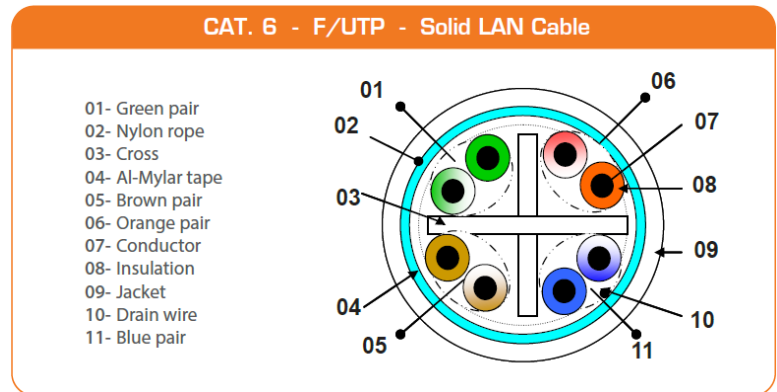




Our outdoor F/UTP category 6 cable consists of four foiled/unshielded twisted pairs of 23 AWG copper wires. Manufactured in accordance with the highest data transmission standards for LAN networks, the Cat 6 twisted pair configuration guarantees top performance; it is perfect for any installation that requires highly-resistant outdoor cable. Protected from any weather or other external factors with a high-density polyethylene (HDPE) jacket, Type CMX, 23AWG x 4P ANSI/TIA-568-C.2, ISO/IEC 11801 Horizontal Cable (Solid Conductor). Available in a wood reel with 1000 ft (305 m) of cable.



PCGUCC6FTBK



Frequency	Att.	Pr-Pr	PS	Prop.	Delay	Return	Pr-Pr	PS
MHz	Solid	NEXT	NEXT	Delay ns	Skew ns	Loss	ELFEXT	ELFEXT
1	2.0	74.3	72.3	570	45	20.0	67.8	64.8
10	6.0	59.3	57.3	545	45	25.0	47.8	44.8
20	8.5	54.8	52.8	542	45	25.0	41.8	38.8
31.25	10.7	51.9	49.9	540.4	45	23.6	37.9	34.9
62.5	15.4	47.4	45.4	538.6	45	21.5	31.9	28.9
100	19.8	44.3	42.3	537.6	45	20.1	27.8	24.8
200	29.0	39.8	37.8	536.5	45	18.0	21.8	18.8
250	32.8	38.3	36.3	536.3	45	17.3	19.8	16.8





Product specifications

Wire characteristics

Cable type	F/UTP "Foiled Unshielded Twisted Pair"
Number of pairs	4
Number of wires	8
Wire type	Solid bare copper
Wire gauge size	23 AWG

Internal characteristics

Internal jacket material	HDPE(CMI-75E)
Average min. thickness	0.28 mm
Min. thickness	0.22 mm

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

Shield type Drain wire (tinned copper conductor) and aluminum-mylar tape

External characteristics

External jacket designation	CMX
External jacket material	75°C PVC CMX (CMI-800) - for external use
Average Min. thickness	0.585 mm
Min. thickness	0.458 mm
Average cable diameter	7.3 mm +/- 0.3mm
Max. strength	11 Kg
Available jacket colors	Black

Electrical characteristics

Voltage 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 5600 pF/100m
Dielectric strength	DC 2,5kV/2sec or AC 1,75kV/2sec
Nominal velocity of propagation (NVP)	70%

Transmission characteristics

Transmission speed	1.000 Mbps / 1Gbps
Bandwidth	250 MHz
Link max. distance	90 m

Certifications and standards

International Standards	UL 444 & CSA-C22.2 No.214: Type CMX, 23AWG x 4P ANSI/TIA-568-C.2, ISO/IEC 11801 Horizontal Cable (Solid Conductor) and RoHS standard compliant for safety Meets IEEE 802.3af and IEEE 802.3at for PoE applications
UL Certificate	20080117 – E318654, DUZX.E318654, DVBI.E356966

Miscellaneous

Color	BLACK
MPN	PCGUCC6FTBK
UPC	798302034006
Labeling	NEXXT TYPE 23AWG 4PR (UL) E318654-1 CSA LL79189 IEC/ISO 11801 F/UTP CAT.6 CMX OUTDOOR www.nexxtsolutions.com XXXXXX-XX XXXXFT
Packaging	Wooden reel
Cable length	1000ft / 305m
Cuft	1,67
Warranty	Limited lifetime warranty*