

# Cat.6 bulk cable

## Outdoor F/UTP, CMX type jacket



PCGUCC6FTBK



### Related products



AB361NXT\*\*



AW191NXT\*\*

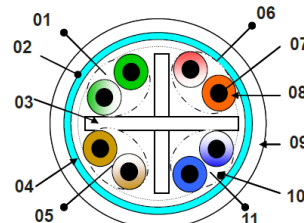
## Exceptional interconnection capability for reliable data transmission

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.

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

### CAT. 6 - F/UTP - Solid LAN Cable

- 01- Green pair
- 02- Nylon rope
- 03- Cross
- 04- Al-Mylar tape
- 05- Brown pair
- 06- Orange pair
- 07- Conductor
- 08- Insulation
- 09- Jacket
- 10- Drain wire
- 11- Blue pair



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## Outdoor F/UTP, CMX type jacket

### Product specifications

Wire characteristics	
Cable type Pair	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
Code color	
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 ± 0.3 mm
Max. strength	11 kg
Available jacket colors	Black
Electrical characteristics	
Voltage rating	75V
Temperature rating	75°C
Characteristic impedance (Zo)	85-115Ω (1-100 MHz)
Conductive resistance	Max 7,32Ω/ 100M 20°C
DC resistance capacitance unbalance	5%
Pair-to-ground capacitance unbalance	Max. 330 pF/100 m
Mutual capacitance	Max. 5,600 pF/100 m
Dielectric strength	DC 2.5kV CC/2 sec or AC 1.75kV/2 sec
Nominal velocity of propagation (NVP)	70%
Meets PoE standards	IEEE802.3af, PoE type 1 (15.4 Watts/100 m) IEEE802.3at, PoE type 2 (30 Watts/100 m) IEEE802.3bt, PoE type 3 (60 Watts/100 m)
Transmission characteristics	
Transmission speed	1,000 Mbps
Bandwidth	250 MHz
Link max.	90 m
Channel max. distance	100 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 <a href="http://www.nexxtsolutions.com">www.nexxtsolutions.com</a> XXXXXX-XX XXXXFT
Packaging	Wooden reel
Cable length	1000 ft/ 305 m
Cu.ft.	1,67
Warranty	Limited lifetime. For full warranty details, visit: <a href="https://www.nexxtsolutions.com/warranty">https://www.nexxtsolutions.com/warranty</a>