



DESCRIPTION

CAT6 PoE++, 550 MHz, Outdoor Jacket, UV-Rated Jacket, CMX-Rated, 1000 ft, Black - TAA-Compliant

FEATURES

- Supports 10/100/1000BASE-T applications
- Fast Ethernet and 155Mbps TP-PMD/CDDI
- 550-MHz bandwidth supporting wide range of applications
- 23 AWG Bare Copper Conductors
- Easily identifiable pair insulation colors
- Exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 specifications
- RoHS and REACH Directives compliant



VERTICAL CABLE

951.696.7772 California
800.749.2447 Florida
845.391.8318 New York
713.322.7242 Texas

CAT6 UTP HORIZONTAL CABLE CMX / PE (OUTDOOR) 23 AWG 8 CONDUCTOR (UNSHIELDED)

069-330/CMX

TRANSMISSION PERFORMANCE

Meets or exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

CONSTRUCTION

Pairs:	4
Conductors:	8
Rip Cord:	Nylon
Separator Material:	Polyvinyl Chloride (PVC)
Screen:	Unscreened (UTP)

CONDUCTORS

Material:	Bare Copper
Size:	23 AWG

INSULATION

Material:	High Density Polyethylene (HDPE)
Diameter:	0.0398 in. (1.01 mm)
Average thickness:	0.0089 in. (0.226 mm)
Color coding:	Pair 1: White-Blue/Blue Pair 2: White-Orange/Orange Pair 3: White-Green/Green Pair 4: White-Brown/Brown
Unaged Elongation:	Min. 300%
Unaged Tensile Strength:	Min. 2393.79 lbs/in ² (1.683 Kg/mm ²)

JACKET

Material:	Low Density Polyethylene (LDPE)
Outer diameter:	0.25 in. (6.4 mm)
Average thickness:	0.0236 in. (0.55 mm)
Color:	Black
Unaged Elongation:	Min. 350%
Unaged Tensile Strength:	Min. 1406.69 lbs/in ² (0.989 Kg/mm ²)
Aging at 100 °C x 168 hrs:	
Min. Elongation Retention:	50%
Min. Tensile Strength Retention:	75%

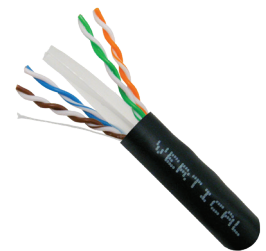
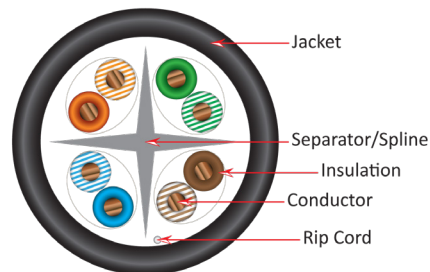
Marking: VERTICAL 5032188 cETLus VERIFIED CMX UTP 4PR 23AWG
OUTDOOR UV CAT6 550MHz ANSI/TIA 568.2-D V1404P14237
ROHS XXXXFT

SAFETY

FPA 70 (NEC®) fire rating:	CMX
Voltage Rating	300 V RMS

WEIGHT

29 lb (13.2 kg)



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Rev. 08/2025

Subject to change without notice.

CAT6 UTP HORIZONTAL CABLE

CMX / PE (OUTDOOR)

23 AWG 8 CONDUCTOR (UNSHIELDED)

PERFORMANCE

ELECTRICAL CHARACTERISTICS

Dielectric Strength of Insulation:	2500 V dc or 1500 V ac / 2 sec.
Insulation Resistance Test:	Min. 5000 MΩ/m
Conductor Resistance:	Max. 9.38 Ω/100m at 20°C
Resistance Unbalance:	Max. 2%
Capacitance Unbalance:	Max. 160 pF/100m
Mutual Capacitance:	Max. 5600 pF/100m

Impedance

1~100MHz:	100Ω ± 15%
100~550MHz:	100Ω ± 22%

Frequency (Mhz)	Attenuation Max (dB)	NEXT Min (dB)	PSNEXT Min (dB)
1	1.9	65.0	62.0
4	3.5	64.1	61.8
10	5.5	57.8	55.5
16	7.6	56.2	54.2
20	7.9	53.1	50.7
31.25	10.0	50.0	47.5
62.5	14.4	45.1	42.7
100	18.6	41.8	39.3
200	27.4	36.9	34.3
250	31.1	35.3	32.7

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