

# CAT6A OUTDOOR CABLE

## CMX UV RATED



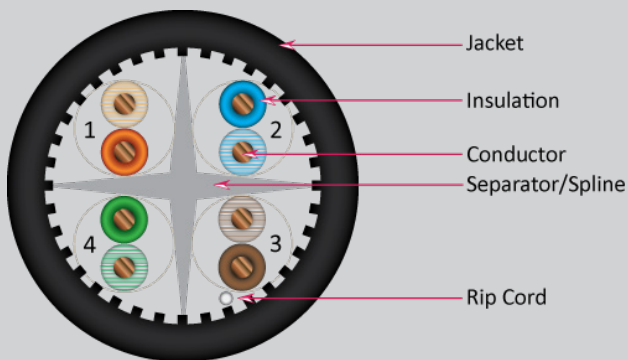
**VERTICAL CABLE**  
Simply Connect.

### DESCRIPTION

Category-6A CMX, 8-Conductor, Outdoor Jacket (UV), 23AWG Solid-Bare Copper. 1000ft.

### FEATURES

- High-Performance Data Cable
- 10Gigabit Ethernet
- Category-6A Unshielded Twisted Pair
- Easily Identified Color-Striped Pairs
- 23AWG Solid Copper Conductors
- Exceeds TIA/EIA-568C.2
- Outdoor UV Rated Jacket
- ETL Listed, RoHS Compliant
- 1000ft Wooden Spool



**SKU: 069-564/A/CMX**

#### Technical Data

Rated Temperature	70°C
Rated Voltage	60V
Flammability Test	IEC-332-1

#### Conductor

Size **Solid Bare Copper**

23 AWG

#### Insulation

Insulation Diameter (±0.01mm) **PE**

Twisted Pair Diameter (±0.02mm) 1.02

#### Separator

#### Assembly Diameter

#### Jacket

Outer Diameter (±0.20mm) **LLDPE**

Rip Cord 7.60

Color Nylon

Black

#### Color of Pairs

Pair 1: Blue, White-Blue

Pair 2: Orange, White-Orange

Pair 3: Green, White-Green

Pair 4: Brown, White-Brown

#### Mechanical Characteristics

Test Object	Jacket
Test Material	LLDPE
Before Tensile Strength (Mpa)	>=10.6
Aging Elongation (%)	>=300
Aging Condition (°Cxhrs)	100x168
After Tensile Strength (Mpa)	>=85% of unaged
Aging Elongation (%)	>=50% of unaged
Cold Bend (-20±2° Cx4hrs)	No Crack

#### Marking on Jacket

VERTICAL 4001453 cETLus VERIFIED CMX UTP 4PR 23 AWG  
OUTDOOR UV LLDPE 10GS AUGMENTED CAT6A TIA/EIA - 568-C.2  
RoHS V1379PXXXX XXXFT  
(SEQUENTIAL FOOT MARKERS ON JACKET)

**VERTICAL CABLE**

951.696.7772 California

800.749.2447 Florida

845.391.8318 New York



[www.verticalcable.com](http://www.verticalcable.com)

Rev. 02/2017

Specs subject to change without notice.

It is the sole responsibility of the user to have the most current specs.

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### PERFORMANCE

#### Electrical Characteristics:

1.0-350MHz Impedance (Ohms)	100±15
1.0-350MHz Delay Skew (ns/100m)	≤45
Pair-to-Ground Capacitance Unbalance (pF/100m)	≤330
Max. Conductor DC Resistance 20°C (ohms/km)	68.5
Resistance Unbalance (%)	≤5

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (db/100m)	Next (Min dB)
1	20.0	2.1	74.3
4	23.0	3.8	65.3
8	24.5	5.3	60.8
10	25.0	5.9	59.3
16	25.0	7.5	56.2
20	25.0	8.4	54.8
25	24.3	9.4	53.3
31.25	23.6	10.5	51.9
62.5	21.5	15.0	47.4
100	20.1	19.1	44.3
200	18.0	27.6	39.8
250	17.3	31.1	38.3
300	16.8	34.3	37.1
400	15.9	40.1	35.3
500	15.2	45.3	33.8

Frequency (Mhz)	PSNext (Min dB)	ELFEXT Min(db/100m)	PSELFEXT Min(db/100m)
1	72.3	71.8	68.8
4	63.3	59.8	56.8
8	58.8	53.7	50.7
10	57.3	51.8	48.8
16	54.2	47.7	44.7
20	52.8	45.8	42.8
25	51.3	43.8	40.8
31.25	49.9	41.9	38.9
62.5	45.4	35.9	32.9
100	42.3	31.8	28.8
200	37.8	25.8	22.8
250	36.3	23.9	20.9
300	35.1	22.3	19.3
400	33.3	19.8	16.8
500	31.8	17.8	14.8

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