

# CAT6 OUTDOOR CABLE

## CMX UV RATED



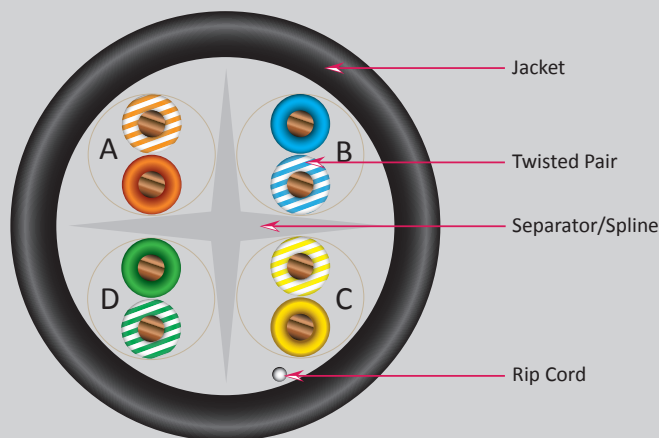
**VERTICAL CABLE**  
Simply Connect.

### DESCRIPTION

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

### FEATURES

- High-Performance Data Cable
- 600MHz Bandwidth for Data Applications,
- Fast Ethernet and 155Mbps TP-PMD/CDDI
- Category-6 Unshielded Twisted Pair
- Easily Identified Color-Striped Pairs
- 23AWG Solid Copper Conductors
- Exceeds TIA/EIA-568C.2, ISO/IEC 11801
- CAN/CSA -C22.2 No. 214
- Suitable for 10/100/1000Base-T
- Outdoor UV Rated Jacket
- ETL Listed, RoHS Compliant
- 1000ft Wooden Spool



**SKU: 069-559/CMX**

#### Technical Data

Rated Temperature	-40° ~ 75°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) 1.01

#### Separator

**Assembly Diameter** 2.02

#### Jacket

**Jacket** PVC

Outer Diameter (±0.30mm) **5.00**

Rip Cord **LLDPE(UV)**

Color Yes

#### Color of Pairs

Black

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) ≥13.8
Aging	Elongation (%) ≥100
Aging Condition (°Cxhrs)	100x168
After	Tensile Strength (Mpa) ≥85% of unaged
Aging	Elongation (%) ≥50% of unaged
Cold Bend (-40±2° Cx4hrs)	No Crack

#### Marking on Jacket

VERTICAL 4001453 cETLus VERIFIED CMX UTP 4PR 23AWG  
OUTDOOR UV CAT6 600MHz TIA/EIA - 568C.2 RoHS 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:

Characteristics Impedance	1~600 MHz 100±15 Ohms
Conductor Resistance	93.8 Ohm/Km/20°C Max
Mutual Capacitance	56 pF/M Max
Dielectric Strength	AC 1.5 KV/Min
Spark Test	2.5 KV
DC Resistance Unbalance	5% Max
Delay Skew	1~600 MHz 25nS/100m Max

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (dB/100m)	Next Min (dB)
1	20.0	2.0	76.3
4	23.0	3.8	67.3
8	24.5	5.3	62.8
10	25.0	6.0	61.3
16	25.0	7.6	58.3
20	25.0	8.5	56.8
25	24.3	9.5	55.3
31.25	23.6	10.7	53.9
62.5	21.5	15.4	49.4
100	20.1	19.8	46.3
155	18.8	25.1	43.5
200	18.0	29.0	41.8
250	17.3	32.8	40.3
300	16.8	36.4	39.2
400	15.9	43.0	37.3
500	15.5	47.2	35.4
600	14.4	50.3	32.8

Frequency (Mhz)	PSNext Min (dB)	ELFEXT Min(db/100m)	ACR Min(dB)
1	74.3	67.8	74.3
4	65.3	55.7	63.5
8	60.8	49.7	57.5
10	59.3	47.8	55.3
16	56.3	43.7	50.7
20	54.8	41.7	48.3
25	53.3	39.8	45.8
31.25	51.9	37.9	43.2
62.5	47.4	31.8	34.0
100	44.3	27.8	26.5
155	41.5	23.9	18.4
200	39.8	21.7	12.8
250	38.3	19.8	7.5
300	37.2	18.2	2.8
400	35.3	15.7	NA
500	33.6	13.4	NA
600	32.1	12.6	NA

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