

# CAT5E OUTDOOR CABLE

## CMX UV RATED



**SKU:** 059-484/CMX  
 059-484/CMX/GY  
 059-484/CMX/WH  
 059-488/WS/CMX  
 059-491/CMX2K

### DESCRIPTION

#### Technical Data

Rated Temperature	-40 ~ 75 °C
Rated Voltage	60V
Product Standard Certification	CMX
Reference Standard	TIA/EIA 568 & ISO/IEC 11801

#### Conductor

Size **Solid Bare Copper**

#### Insulation

Average Thickness (mm)	0.205
Min. Point Thickness (mm)	0.190
Insulation Diameter (±0.005mm)	0.91
Twisted Pair Diameter (±0.01)	1.82

#### Assembly Diameter

**3.80**

#### Jacket (Black)

Average Thickness (mm)	0.60
Min. Point Thickness (mm)	0.54
Outer Diameter (±0.10mm)	5.10
Rip Cord	Yes

#### 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) ≥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

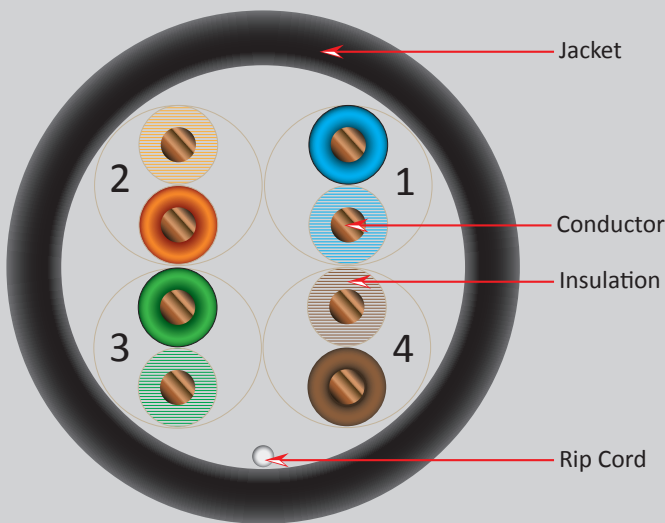
#### Marking on Jacket

VERTICAL 4001453 cETLus VERIFIED CMX UTP 4PR 24AWG OUTDOOR UV  
 CAT5E 350MHz TIA/EIA - 568C.2 RoHS XXXFT  
 (SEQUENTIAL FOOT MARKERS ON JACKET)

Category-5E CMX, 8-Conductor, Outdoor Jacket (UV), AWG24 Solid-Bare Copper.

### FEATURES

- High-Performance Data Cable
- 350MHz Bandwidth for Data Applications
- 24AWG Solid Copper Conductors
- Easily Identified Color-Striped Pairs
- 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
- Available in: 1000ft Pull Box or Wooden Spool, or 2000ft Wooden Spool (only on selected items)



Jacket color available in  
 Black or White

**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.

# CAT5E OUTDOOR CABLE

## CMX UV RATED

### PERFORMANCE

#### Electrical Characteristics:

1.0-100MHz Impedance (Ohms)	100±15
100-200MHz Impedance (Ohms)	100±25
200-350MHz Impedance (Ohms)	100±35
1.0-350.0MHz Delay Skew (ns/100m)	≤45
Pair-to-Ground Capacitance Unbalance (pF/100m)	≤330
Max. Conductor DC Resistance 20°C (ohms/km)	93.8
Resistance Unbalance (%)	≤5

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (dB/100m)	Next (Min dB)	ACR Typ(dB)
0.772	19.4	1.8	67.0	67.7
1	20.0	2.0	65.3	67.3
4	23.0	4.1	56.3	56.2
8	24.5	5.8	51.8	50.0
10	25.0	6.5	50.3	47.8
16	25.0	8.2	47.3	44.0
20	25.0	9.3	45.8	41.5
25	24.3	10.4	44.3	38.9
31.25	23.6	11.7	42.9	36.2
62.5	21.5	17.0	38.4	27.4
100	20.1	22.0	35.3	19.3
200	18.0	32.4	30.8	3.5
300	16.8	41.0	28.2	—
350	16.3	44.9	27.2	—

Frequency (Mhz)	PSNext Min (dB)	ELFEXT Min(db/100m)	PSELFEXT Min(db/100m)
0.772	64.0	66.0	63.0
1	62.3	63.8	60.8
4	53.3	51.7	48.7
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.3	39.7	36.7
20	42.8	37.7	34.7
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.8	24.8
100	32.3	23.8	20.8
200	27.8	17.7	14.7
300	25.2	14.2	11.2
350	24.2	12.9	9.9

## 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.