

# CAT5E OUTDOOR CABLE (SHIELDED) UV RATED

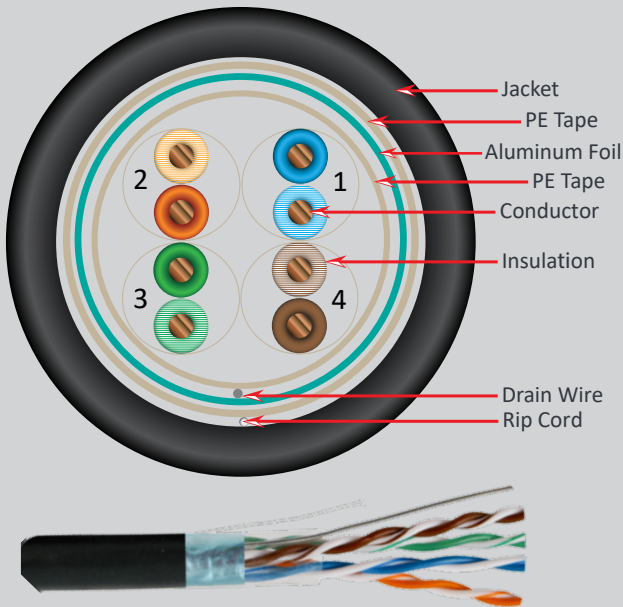


## DESCRIPTION

Category-5E CMX, Shielded, 24AWG Solid-Bare Copper, Outdoor Jacket (UV).

## FEATURES

- 350MHz Bandwidth for Data Applications
- 24AWG Solid Copper Conductors
- Shielded for protection against EMI/RFI
- Exceeds TIA/EIA-568C.2, ISO/IEC 11801
- CAN/CSA -C22.2 No. 214
- Outdoor UV Rated Jacket
- ETL Listed, RoHS Compliant
- Available in: 1000ft Pull Box



## SKU: 059-501/S/CMX

### Technical Data

Rated Temperature	-20 ~ 70 °C
Rated Voltage	60V
Product Standard Certification	CMX
Reference Standard	TIA/EIA 568 & ISO/IEC 11801

### Conductor

Size	24 AWG
------	--------

### Insulation

Average Thickness (mm)	0.205
Insulation Diameter (±0.005mm)	0.91

### PE-Tape

Yes

### Drain Wire (BC) (mm)

0.40

### Al-foil

Yes

### PE-Tape

Yes

### Jacket (Black)

Average Thickness (mm)	0.60
Min. Point Thickness (mm)	0.54
Outer Diameter (±0.10mm)	6.20
Rip Cord	Yes

### LLDPE (UV)

### 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 (-20±2° Cx4hrs)	No Crack

### Marking on Jacket

VERTICAL 4001453 cUTLus VERIFIED CMX SHIELDED4PR 24 AWG  
OUTDOORUV CAT5E 350MHZ TIA/EIA-568-C.2 RoHS 0000FT

**VERTICAL CABLE**

951.696.7772 California  
800.749.2447 Florida  
845.391.8318 New York



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

Rev. 11/2017

Specs subject to change without notice.

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

# CAT5E OUTDOOR CABLE (SHIELDED) UV RATED

## PERFORMANCE

### Electrical Characteristics:

1.0-350MHz Impedance (Ohms)	100±15
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)
1	20.0	2.0	68.3	66.3
4	23.0	4.1	59.3	55.2
8	24.5	5.8	54.8	49.0
10	25.0	6.5	53.3	46.8
16	25.0	8.2	50.3	42.1
20	25.0	9.3	48.8	39.5
25	24.3	10.4	47.3	36.9
31.25	23.6	11.7	45.9	34.2
62.5	21.5	17.0	41.4	24.4
100	20.1	22.0	38.3	16.3
200	18.0	32.4	33.8	1.4
300	16.8	41.0	31.2	_____
350	16.3	44.9	30.1	_____

Frequency (Mhz)	PSNext Min (dB)	ELFEXT Min(db/100m)	PSELFEXT Min(db/100m)
1	66.3	63.8	60.8
4	57.3	51.7	48.7
8	52.8	45.7	42.7
10	51.3	43.8	40.8
16	48.3	39.7	36.7
20	46.8	37.8	34.8
25	45.3	35.8	32.8
31.25	43.9	33.9	30.9
62.5	39.4	27.8	24.8
100	36.3	24.0	21.0
200	31.8	17.7	14.7
300	29.2	14.2	11.2
350	28.1	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. 11/2017

Specs subject to change without notice.

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