CAT5E OUTDOOR CABLE
CMX UV RATED

VERTICAL CABLE
Simply Connect.

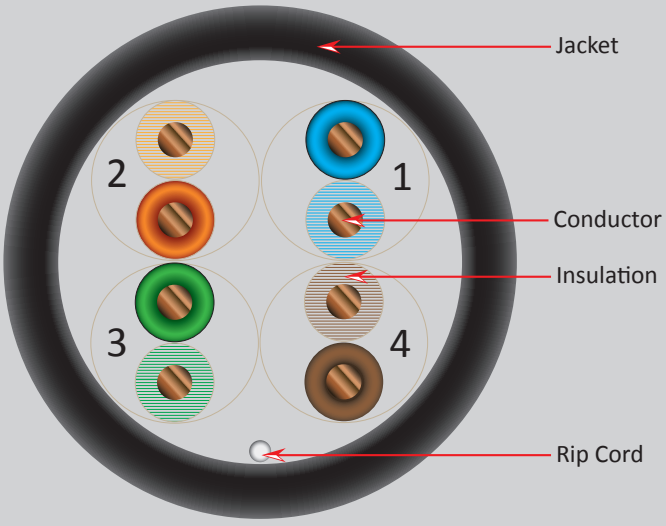
SKU: 059-484/CMX
059-484/CMX/GY
059-484/CMX/WH
059-488/WS/CMX
059-491/CMX2K

DESCRIPTION

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)



Technical Data

Rated Temperature	-40 ~ 75 ºC
Rated Voltage	60V
Product Standard Certification	CMX
Reference Standard	TIA/EIA 568 & ISO/IEC 11801
Conductor	**Solid Bare Copper**
Size	24 AWG
Insulation	**PE**
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)	**LLDPE (UV)**
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 Aging	Tensile Strength (Mpa)	≥13.8
	Elongation (%)	≥100
Aging Condition (ºCxhrs)		100x168
After Aging	Tensile Strength (Mpa)	≥85% of unaged
	Elongation (%)	≥50% of unaged
Cold Bend (-40±2º 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)

Jacket color available in
Black or White

RoHS

VERTICAL CABLE
951.696.7772 California
800.749.2447 Florida
845.391.8318 New York

CAT5E OUTDOOR CABLE
CMX UV RATED

PERFORMANCE

Electrical Characteristics:

1.0-100MHz Impendance (Ohms)	100±15
100-200MHz Impendance (Ohms)	100±25
200-350MHz Impendance (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

RoHS

C ETL LISTED US Intertek

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www.verticalcable.com

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