CAT5E STP OUTDOOR CABLE
CMX UV RATED with Messenger

VERTICAL CABLE
Simply Connect.

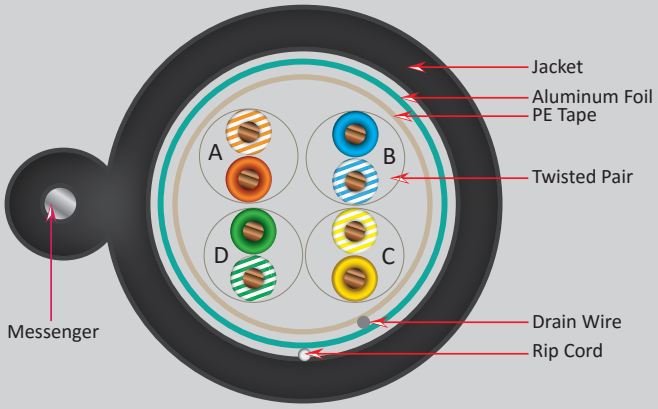
SKU: 059-498/S/MESG

DESCRIPTION

Category-5E STP, Outdoor Rated Cable with Messenger, 24AWG Solid-Bare Copper.

FEATURES

- Ideal for Outdoor Aerial Applications
- Galvanized Steel Messenger for Support
- Shielded to protect against EMI/RFI
- Drain wire to prevent ESD
- Easily Identified Color-Striped Pairs
- 24AWG Solid Copper Conductors
- Exceeds TIA/EIA-568C.2 Standards
- ETL Listed, RoHS Compliant
- 1000ft Wooden Spool



Technical Data

	Rated Temperature	-40~70ºC
	Flammability Test	IEC-332-1
Conductor		**Solid Bare Copper**
	Size	24 AWG
Insulation		**PE**
	Average Thickness (mm)	0.228
	Insulation Diameter (±0.005mm)	0.97
	Twisted Pair Diameter (±0.01)	1.94
	PE-Tape	Yes
	Drain Wire (TC) (mm)	0.40
	AL-Foil	Yes
	PE-Tape	Yes
Assembly Diameter		**4.80**
Messenger		**Galvanized Steel**
	Diameter (mm)	**1.30**
Jacket (Black)		**LLDPE**
	Average Thickness (mm)	0.80x0.65
	Outer Diameter (±0.10mm)	6.50x2.60
	Rip Cord	Yes (Nylon)

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 (ºCxhrs)		100x168
After	Tensile Strength (Mpa)	≥85% of unaged
Aging	Elongation (%)	≥50% of unaged
Cold Bend (-20±2º Cx4hrs)		No Crack

Marking on Jacket

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

Jacket color available in Black

RoHS

c ETL US LISTED Intertek

VERTICAL CABLE
951.696.7772 California
800.749.2447 Florida
845.391.8318 New York

www.verticalcable.com

Rev. 08/2015

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PERFORMANCE

Electrical Characteristics:

1.0-350MHz Impendance (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)	95
Resistance Unbalance (%)	≤5

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (dB/100m)	Next (Min dB)
1	20.0	2.0	68.3
4	23.0	4.1	59.3
8	24.5	5.8	54.8
10	25.0	6.5	53.3
16	25.0	8.2	47.3
20	25.0	9.3	45.8
25	24.3	10.4	44.3
31.25	23.6	11.7	45.9
62.5	21.5	17.0	38.4
100	20.1	22.0	33.8
200	18.0	32.4	30.8
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	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	34.8
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	21.0
200	27.8	17.7	14.7
300	25.2	14.2	11.2
350	24.2	12.9	9.9

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