

# CAT5E UTP OUTDOOR CABLE

## CMX UV RATED with Messenger

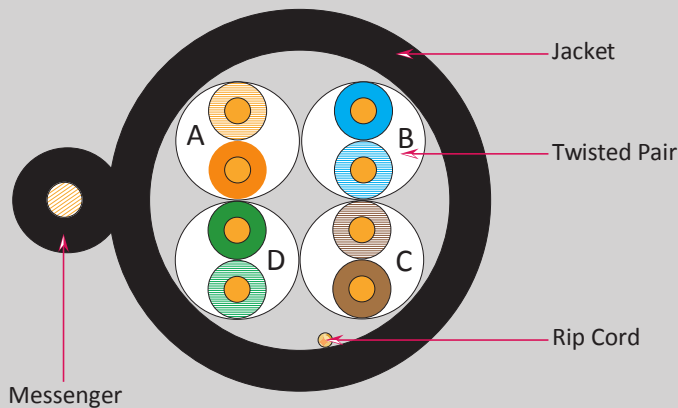


### DESCRIPTION

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

### FEATURES

- Ideal for Outdoor Aerial Applications
- Galvanized Steel Messenger for Support
- Easily Identified Color-Striped Pairs
- 24AWG Solid Copper Conductors
- Exceeds TIA/EIA-568B.2 Standards
- ETL Listed RoHS Compliant
- 1000ft Wooden Spool



### Technical Data

Rated Temperature	70°C
Rated Voltage	30V
Flammability Test	IEC-332-1

### Conductor

Size **Solid Bare Copper**

### Insulation

Average Thickness (mm)	0.205
Insulation Diameter (±0.005mm)	0.91
Twisted Pair Diameter (±0.01)	1.92

### Assembly Diameter

**3.80**

### Messenger

Diameter (mm) **Galvanized Steel**

**1.00**

### Jacket (Black)

Average Thickness (mm) **LLDPE**

Outer Diameter (±0.10mm) **0.80x0.65**

Rip Cord **5.40x2.60**

**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 (°Cxhrs)	100x168
After Tensile Strength (Mpa)	>=85% of unaged
Aging Elongation (%)	>=50% of unaged
Cold Bend (-20±2° Cx4hrs)	No Crack

### Marking on Jacket

Jacket color available in Black



Rev. 06/2013

Subject to change without notice.

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### 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)
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