

CAT6 OUTDOOR CABLE

F/UTP (OVERALL SHIELDED)

WITH MESSENGER



SKU: 069-563/S/MESG

DESCRIPTION

Technical Data

Category-6 550Mhz, F/UTP Overall Shielded Outdoor Rated Cable with Messenger 23AWG Solid-Bare Copper.

Rated Temperature	70°C
Rated Voltage	60V
Flammability Test	IEC-332-1
Conductor	Solid Bare Copper
Size	23 AWG
Insulation	PE
Average Thickness	0.008 in (0.213 mm)
Insulation Diameter	0.039 in (1.01 ±0.005 mm)
Twisted Pair Diameter	0.079 in (2.02 ±0.01 mm)
Separator/Spline	LDPE
Drain Wire	0.016 in (0.40 mm) (TC)
Aluminum Foil	Yes
Assembly Diameter	0.24 in (6.20 mm)
Messenger	Galvanized Steel
Diameter	0.05 in (1.30 mm)
Jacket (Black)	LLDPE (UV Rated)
Average Thickness	0.03 in (0.80x0.65 mm)
Outer Diameter	0.31 in (7.80x2.60 ±0.10mm)
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 (°Cxhrs)	100x168
After Tensile Strength (Mpa)	>=85% of unaged
Aging Elongation (%)	>=50% of unaged
Cold Bend (-20±2° Cx4hrs)	No Crack

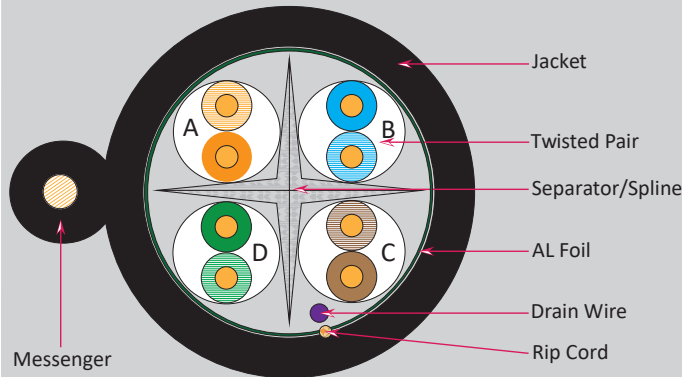
FEATURES

- Ideal for Outdoor Aerial Applications
- Galvanized Steel Messenger for Support
- Easily Identified Color-Striped Pairs
- 23AWG Solid Copper Conductors
- Exceeds TIA/EIA 568.2-D Standards
- ETL Listed RoHS Compliant
- 1000ft Wooden Spool

Marking on Jacket

VERTICAL 4001453 cETLus VERIFIED CMX F/UTP 4PR
23 AWG OUTDOOR UV WITH MESSENGER CAT6 550MHZ
TIA/EIA 568.2-D RoHS XXXFT

Jacket color available in
Black



VERTICAL CABLE

951.696.7772 California
800.749.2447 Florida
845.391.8318 New York



www.verticalcable.com

Rev. 10/2020
Subject to change without notice.

CAT6 OUTDOOR CABLE

F/UTP (OVERALL SHIELDED)

WITH MESSENGER

PERFORMANCE

Electrical Characteristics:

1.0-250MHz Impedance (Ohms)	100±15
1.0-250.0MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20°C (ohms/km)	72.2
Resistance Unbalance (%)	<=5

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (dB/100m)	Next (Min dB)
1	20.0	2.0	74.3
4	23.0	3.8	65.3
8	24.5	5.3	60.8
10	25.0	6.0	59.3
16	25.0	7.6	56.2
20	25.0	8.5	54.8
25	24.3	9.5	53.3
31.25	23.6	10.7	51.9
62.5	21.5	15.4	47.4
100	20.1	19.8	44.3
200	18.0	29.0	39.8
250	17.3	32.8	38.3
300	16.8	36.4	39.2
400	15.9	43	37.3

Frequency (Mhz)	PSNext Min (dB)	ELFEXT Min(db/100m)	Delay Max(ns/100m)
1	72.3	70.0	570.0
4	63.3	67.8	552.0
8	58.8	55.8	546.0
10	57.3	49.7	545.0
16	54.3	47.8	543.0
20	52.8	43.7	542.0
25	51.3	41.8	541.0
31.25	49.9	39.8	540.0
62.5	45.4	37.9	538.0
100	42.3	31.9	537.0
200	37.8	21.8	536.0
250	36.3	19.8	536.0
300	37.2	18.2	535.0
400	35.3	15.7	534.0

VERTICAL CABLE

951.696.7772 California
800.749.2447 Florida
845.391.8318 New York



www.verticalcable.com

Rev. 10/2020

Subject to change without notice.