

# CAT6 DIRECT BURIAL GEL FILLED (FLOODED CORE)

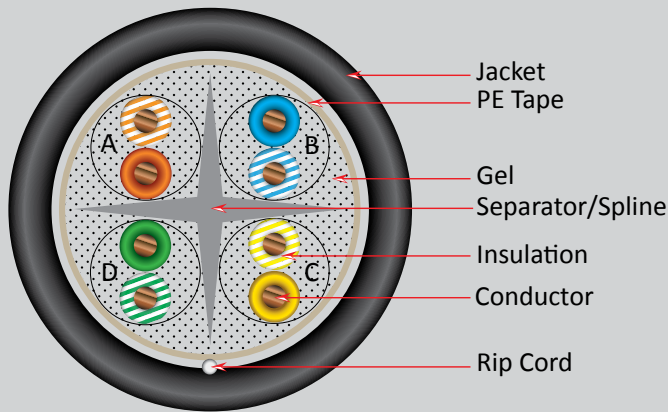


## DESCRIPTION

Category-6 CMXF, 8-Conductor, Direct Burial, Gel Filled, 23AWG Solid-Bare Copper.

## FEATURES

- High-Performance Data Cable
- 600MHz Bandwidth for Data Applications, Fast Ethernet and 155Mbps TP-PMD/CDDI
- Category-6 Unshielded Twisted Pair
- Easily Identified Color-Striped Pairs
- 23AWG Solid Copper Conductors
- Exceeds TIA/EIA-568C.2, ISO/IEC 11801
- CAN/CSA -C22.2 No. 214
- ETL Listed, RoHS Compliant
- 10.000ft Wooden Spool



Dimensions of the spool:  
Diameter 30", height 19.5", weight 375lbs

**SKU: 069-566/CMXF10k**

### Technical Data

Rated Temperature	-40~70°C
Rated Voltage	30V
Flammability Test	IEC-332-1

### Conductor

Size 23 AWG  
Solid Bare Copper

### Insulation

Insulation Diameter (±0.01mm)	1.01
Twisted Pair Diameter (±0.02mm)	2.02

### Separator

LDPE

### Assembly Diameter

5.00

### Jacket

Outer Diameter (±0.30mm)	6.80
Rip Cord	Yes
Color	Black

### 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 cETLus VERIFIED UTP 23AWG OUTDOOR DIRECT BURIAL (FLOODED) UV LLDPE CAT6 600MHz TIA/EIA - 568C.2 RoHS XXXXXFT (SEQUENTIAL FOOT MARKERS ON JACKET)

**VERTICAL CABLE**

951.696.7772 California

800.749.2447 Florida

845.391.8318 New York



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

Rev. 02/2018

Specs subject to change without notice.

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

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## PERFORMANCE

### Electrical Characteristics:

Characteristics Impedance	1~600 MHz 100±15 Ohms
Conductor Resistance	93.8 Ohm/Km/20°C Max
Mutual Capacitance	56 pF/M Max
Dielectric Strength	AC 1.5 KV/Min
Spark Test	2.5 KV
DC Resistance Unbalance	5% Max
Delay Skew	1~600 MHz 25nS/100m Max

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (dB/100m)	Next Min (dB)
1	20.0	2.0	76.3
4	23.0	3.8	67.3
8	24.5	5.3	62.8
10	25.0	6.0	61.3
16	25.0	7.6	58.3
20	25.0	8.5	56.8
25	24.3	9.5	55.3
31.25	23.6	10.7	53.9
62.5	21.5	15.4	49.4
100	20.1	19.8	46.3
155	18.8	25.1	43.5
200	18.0	29.0	41.8
250	17.3	32.8	40.3
300	16.8	36.4	39.2
400	15.9	43.0	37.3
500	15.5	47.2	35.4
600	14.4	50.3	32.8

Frequency (Mhz)	PSNext Min (dB)	ELFEXT Min(db/100m)	ACR Min(dB)
1	74.3	67.8	74.3
4	65.3	55.7	63.5
8	60.8	49.7	57.5
10	59.3	47.8	55.3
16	56.3	43.7	50.7
20	54.8	41.7	48.3
25	53.3	39.8	45.8
31.25	51.9	37.9	43.2
62.5	47.4	31.8	34.0
100	44.3	27.8	26.5
155	41.5	23.9	18.4
200	39.8	21.7	12.8
250	38.3	19.8	7.5
300	37.2	18.2	2.8
400	35.3	15.7	NA
500	33.6	13.4	NA
600	32.1	12.6	NA

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