

### Description:

Category-6 CMXF Direct Burial, Flooded Core, 1000'  
8-Conductor, Bulk, Black-Outdoor Jacket (UV), AWG23  
Solid-Bare Copper, Wooden Spool (UL/ETL)

### Features:

- High-performance data communications cable
- Suitable for 600MHz high speed data applications, Gigabit ethernet, fast ethernet and 155Mbps TP-PMD/CDDI
- Designed for direct burial installations
- PVC Jacket (CMX) for outdoor use with flooded core
- Category-6 unshielded twisted pair (UTP) cable
- 4-Pair – easily identified color-striped pairs
- 23AWG solid bare copper conductors
- Excellent attenuation and crosstalk characteristics
- Exceeds EIA/TIA 568 B.2-1, UL, CSA and ISO/IEC 11801 specifications
- UL/cUL or ETL Listed
- Supplied in 1000' wooden spools

### Printing on Jacket:

PRIMUS CABLE E317493 (UL) C(UL) CMX FT4 UTP 4PR 23  
AWG VERIFIED DIRECT BURIAL (FLOODED) CAT6 600MHZ  
TIA/EIA - 568B.2 STANDARD CMR (VID:###) XXXX FT

Sequential foot markers on jacket

### Packaging Example:



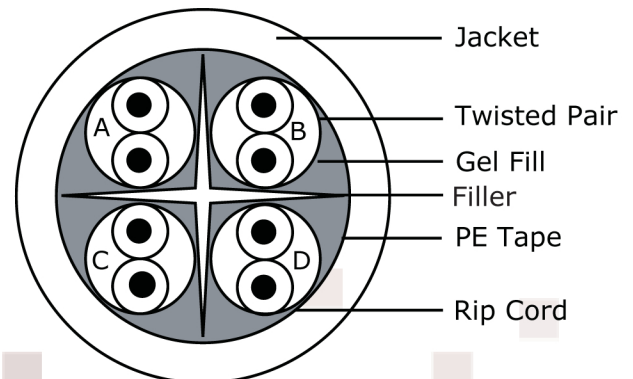
Disclaimer: Packaging design subject to change without notice.

### Available Colors:

black



### Technical Diagram:



### Electrical Characteristics:

Rated Temperature:	70°C
Rated Voltage:	300V
1.0-400MHZ Impedance:	100Ω ± 15
1.0-400MHZ Delay Skew	<=45 (ns/100m)
Mutual Capacitance	<=56 (pF/100m)
Max. DC Resistance 20°C	93.8 (Ω/km)
Resistance Unbalance	<=5 (%)

Frequency (MHz)	Attenuation Max.	Return Loss Min.	Next Min.
1	2.0	20.0	76.3
4	3.8	23.0	67.3
10	6.0	25.0	61.3
20	8.5	25.0	56.8
25	9.5	24.3	55.3
31.25	10.7	23.6	53.9
62.5	15.4	21.5	49.4
100	19.8	20.1	46.3
200	29.0	18.0	41.8
250	32.8	17.3	40.3
300	36.4	16.8	39.2
400	43.0	15.9	37.3

Frequency (MHz)	PSNEXT Min.	ELFEXT Min.	ACR Min.
1	74.3	67.8	74.3
4	65.3	55.7	63.5
10	59.3	47.8	55.3
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
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	-----

### Technical Specs:

Conductor Size	Solid Bare Copper 23 AWG
Insulation Average Thickness	PE 0.22mm
Insulation Dia.	1.01mm ± 0.01mm
Twisted Pair Dia.	2.02mm ± 0.02mm
Separator Fill	PP Gel
PE-Tape	Yes
Assembly Diameter	5.2mm
Jacket	LLDPE
Average Thickness	0.60mm
Outer Diameter	6.5mm ± 0.3mm
Rip Cord	Per request

### 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 >=13.8
After Aging	Elongation >=100%
Aging Condition (°Cxhrs)	100x168
After Aging	Tensile Strength >=85%
	Elongation (%) >=50%
Cold Bend (-20±2° Cx4hrs)	No Crack