

Category 6A 650MHz FTP CMR Solid Cable

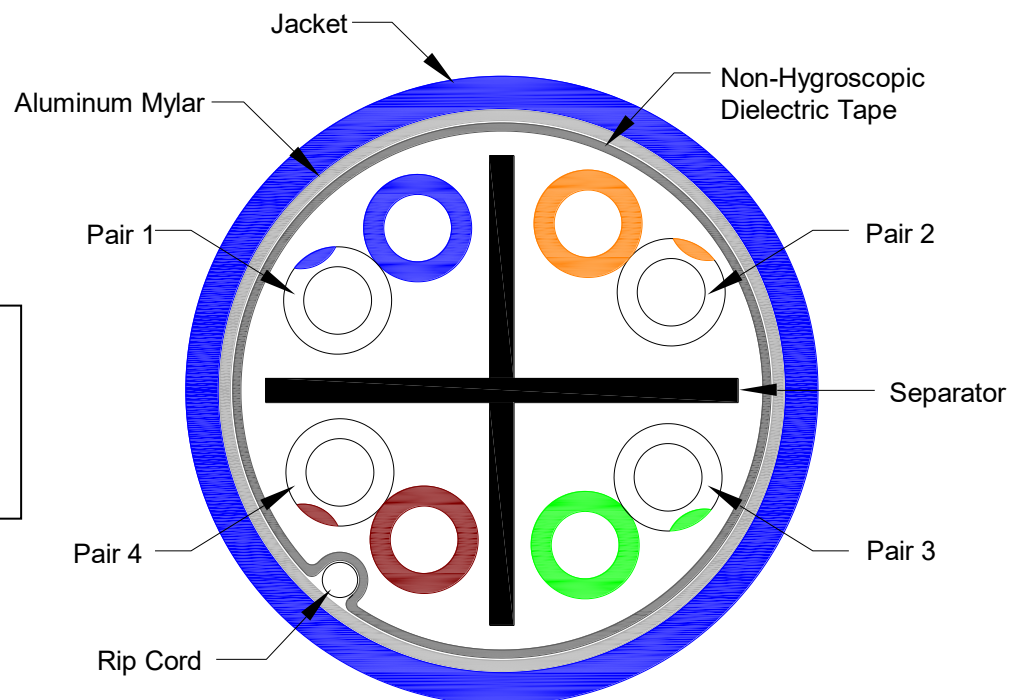


Package Include:

A. Category 6A FTP CMR Solid Cable, **1000 Feet**

Features and Benefits

- Complies to IEEE 802.3an 10G Base-T and TIA 568-C.2 standard
- Easy to dispense cable with reel design, saving you energy and time on the job site
- Convenient sequential footage markings for usage tracking
- UL 1863 compliant
- Commercial / Flame rated required in most commercial installations
- ETL verified TIA/EIA 568-C.2 for maximum performance
- Available in only in blue



Pair 1: Blue & White/Blue
 Pair 2: Orange & White/Orange
 Pair 3: Green & White/Green
 Pair 4: Brown & White/Brown



Category 6A 650MHz UTP Cable Electrical Performance (100 Meter Loop)									
Frequency(M Hz)	Insertion Loss (dB)	Return Loss (dB)	NEXT (dB)	PS NEXT (dB)	ACRF (dB)	PS ACRF (dB)	Propagation Delay (dB)	Alien Crosstalk	
								PS ANEXT (dB)	PS AACRF (dB)
1.0	2.1	20	74.3	72.3	67.8	64.8	570.0	67.0	67.0
4.0	3.8	23.0	65.3	63.3	55.8	52.8	552.0	67.0	66.2
8.0	5.3	24.5	60.8	58.8	49.7	46.7	547.0	67.0	60.1
10.0	5.9	25	59.3	57.3	47.8	48.8	545.0	67.0	58.2
16.0	7.5	25	56.2	54.2	43.7	40.7	543.0	67.0	54.1
20.0	8.4	25	54.8	52.8	41.8	38.8	542.0	67.0	52.2
25.0	9.4	24.3	53.3	51.3	39.8	36.8	541.0	67.0	50.2
31.25	10.5	23.6	51.9	49.9	37.9	34.9	540.0	67.0	48.3
62.5	15	21.5	47.4	45.4	31.9	28.9	539.0	65.6	42.3
100.0	19.1	20.1	44.3	42.3	27.8	24.8	538.0	62.5	38.2
200.0	27.6	18.0	39.8	37.8	21.8	18.8	537.0	58.0	32.2
250.0	31.1	17.3	38.3	36.3	19.8	16.8	536.0	56.5	30.2
300.0	34.3	16.8	37.1	35.1	18.3	15.3	536.0	55.3	28.7
400.0	40.1	15.9	35.3	33.3	15.8	12.8	536.0	53.5	26.2
500.0	45.3	15.2	33.8	31.8	13.8	10.8	536.0	52.0	24.2
550.0*	47.7	14.9	33.2	31.2	N/A	N/A	N/A	N/A	N/A
600.0*	50.1	14.7	32.6	30.6	N/A	N/A	N/A	N/A	N/A
650.0*	52.3	14.4	32.1	30.1	N/A	N/A	N/A	N/A	N/A

*Frequencies beyond 500 MHz is reference only

NOTE: UNLESS OTHERWISE SPECIFIED

1. Standard:

A. IEEE 802.3an 10G Base-T Standard; ANSI/TIA-568-C.2; RoHS, ICEA S-116-732

2. Construction:

- A. Size: 23 AWG
- B. Conductor: Solid Bare Copper
- C. Insulation: PE
- D. Jacket: PVC -- Ø0.300" ±.008 (7.6MM±0.2)
- E. Rip Cord: Polyester
- F. X Separator: PE

3. Electrical/Physical Properties:

- A. Conductor DCR: 80 OHMS/M @20°C
- B. DCR Unbalance: 5% Max
- C. Capacitance Unbalance Pair/Ground: 330°F/100M Max
- D. Characteristic Impedance: 100 OHMS ±10% (10-550MHz)
- E. Input Impedance: 100 OHMS ±12% (1-100MHz)
100 OHMS ±15%(>100-350MHz)
100 OHMS ±22%(>350MHz)
- F. Propagation Delay Skew: 25 ns/100m Max
- G. Nominal Velocity of Propagation (NVP): 70%
- H. Installation Temperature: 32°-140°F
- I. Operational Temperature: 4°-167°F
- J. Bend Radius: 1.34"

4. Packaging:

- A. Bulk Package: 1000 Feet/Reel
- B. Reel Size: 15.75"W x 13.00"H
- C. Weight: 49.8 lbs.

