

Category 6A 650MHz FTP CMP Solid Cable

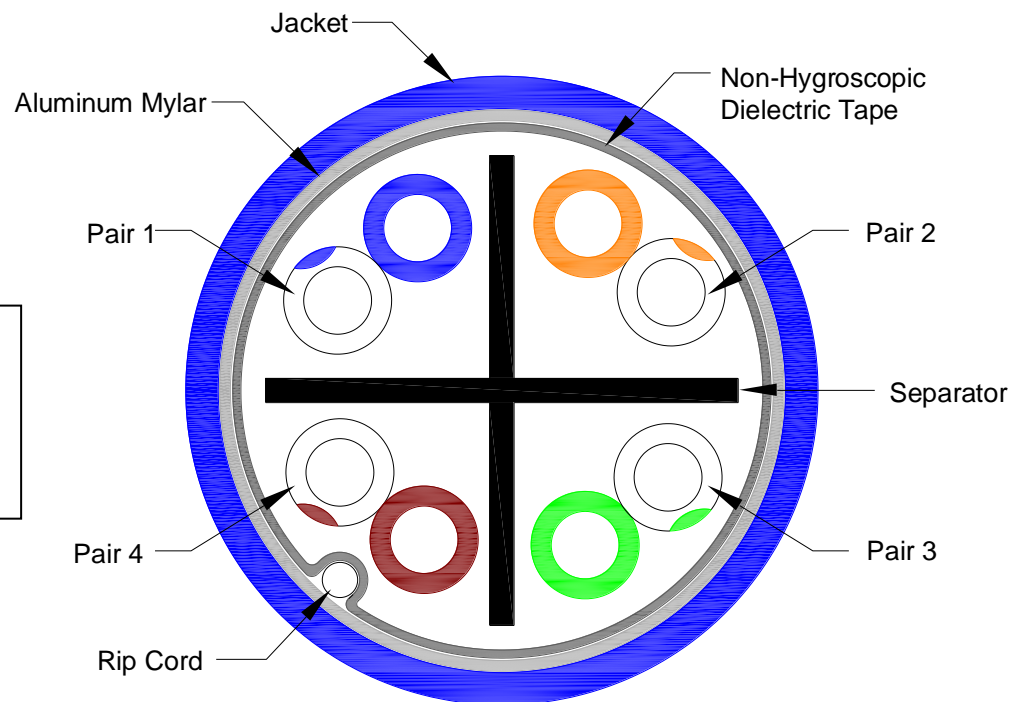
Package Include:

A. Category 6A FTP CMP 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
- Plenum 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	78.3	76.3	71.8	68.8	570	77.0	77.0
4.0	3.8	24.2	69.3	67.3	59.8	56.8	552	77.0	76.2
8.0	5.3	26.3	64.8	62.8	53.7	50.7	546.7	77.0	70.1
10.0	5.9	27	63.3	61.3	51.8	48.8	545.4	77.0	68.2
16.0	7.5	27	60.2	58.2	47.7	44.7	543	77.0	64.1
20.0	8.4	27	58.8	56.8	45.8	42.8	542	77.0	62.2
25.0	9.4	26.3	57.3	55.3	43.8	40.8	541.2	77.0	60.2
31.25	10.5	25.6	55.9	53.9	41.9	38.9	540.4	77.0	58.3
62.5	15	23.5	51.4	49.4	35.9	32.9	538.6	76.6	52.3
100.0	19.1	22.1	48.3	46.3	31.8	28.8	537.6	72.5	48.2
155.0	24.1	20.8	45.4	43.4	28	25	536.9	69.6	44.4
200.0	27.6	20	43.8	41.8	25.8	22.8	536.5	68.0	42.2
250.0	31.1	19.3	42.3	40.3	23.8	20.8	536.3	66.5	40.2
300.0	34.3	18.8	41.1	39.3	22.3	19.3	536.1	65.3	38.7
350.0	37.2	18.3	40.1	38.1	20.9	17.9	535.9	64.3	37.3
400.0	40.1	17.9	39.3	37.3	19.8	16.8	535.8	63.5	36.2
500.0	45.3	17.5	37.8	35.8	17.8	14.8	535.6	62.0	34.2
550.0*	47.7	17.2	37.2	35.2	N/A	N/A	N/A	N/A	N/A
600.0*	50.1	16.9	36.6	34.6	N/A	N/A	N/A	N/A	N/A
650.0*	52.3	16.7	36.1	34.1	N/A	N/A	N/A	N/A	N/A

*Frequencies beyond 500 MHz is reference only

NOTE: UNLESS OTHERWISE SPECIFIED

- Standard:
 - ANSI/TIA 568-C.2
 - ANSI/TIA 862 (Building Automation)
 - ISO/IEC 11801 Ed. 2.0 (Class A)
 - ICEA S-116-732
 - NEC/CEC Type CMP (NFPA 626)
 - RoHS Compliant Directive 2002/95/EC
 - UL 444
- Construction:
 - Size: 23 AWG
 - Conductor: Solid Bare Copper
 - Insulation: Fluoropolymer
 - Jacket: Low-Smoke, Flame-Retardant PVC -- Ø0.32" ±.007 (8.1MM±0.2)
 - Rip Cord: Polyester
 - X Separator: Fluoropolymer
- Electrical/Physical Properties:
 - Conductor DCR: 9.38 OHMS/100M @20°C
 - DCR Unbalance: 3% Max
 - Capacitance Unbalance Pair/Ground: 330° F/100M Max
 - Characteristic Impedance: 100 OHMS ±10% (10-550MHz)
 - Input Impedance: 100 OHMS ±12% (1-100MHz)
 - 100 OHMS ±15% (>100-350MHz)
 - 100 OHMS ±22% (>350MHz)
 - Propagation Delay Skew: 25 ns/100m Max
 - Nominal Velocity of Propagation (NVP): 70%
 - Installation Temperature: 32°-140°F
 - Operational Temperature: 4°-167°F
 - Bend Radius: 1.34"
- Packaging:
 - Bulk Package: 1000 Feet/Reel
 - Reel Size: 15.75"W x 13.00"H
 - Weight: 49.9 lbs.

