

Category 6A 650MHz FTP CMP Solid Cable

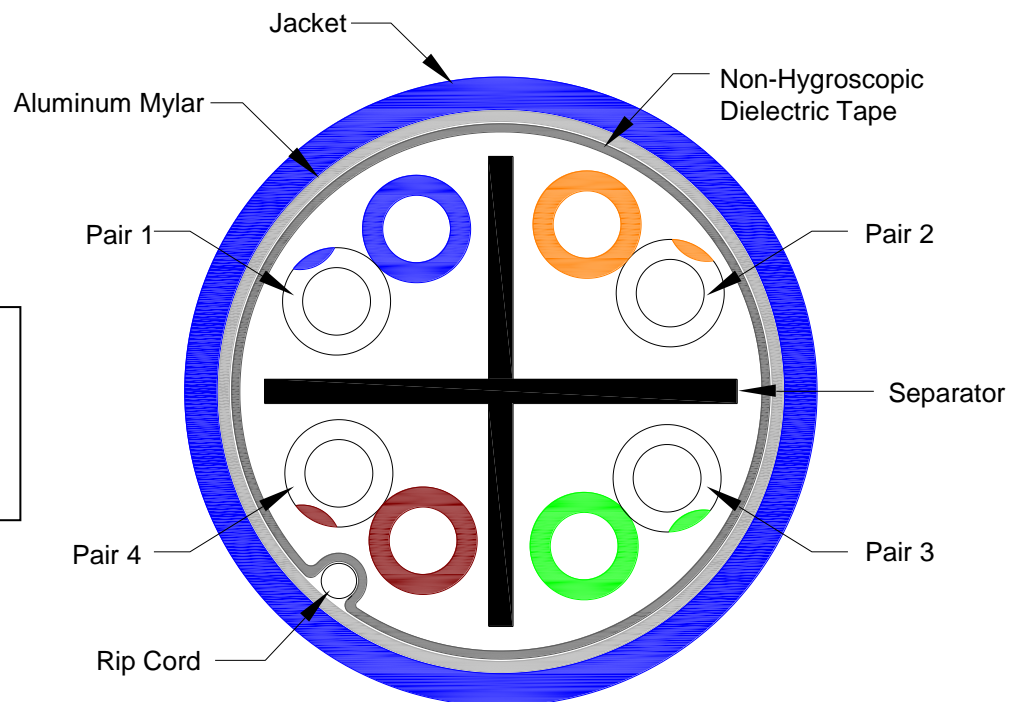


Package Include:

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" ±0.07 (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/Box
 - Reel Size: 15.75"W x 13.00"H
 - Weight: 49.9 lbs.

