

# Category 6A 650MHz UTP CMP Solid Cable

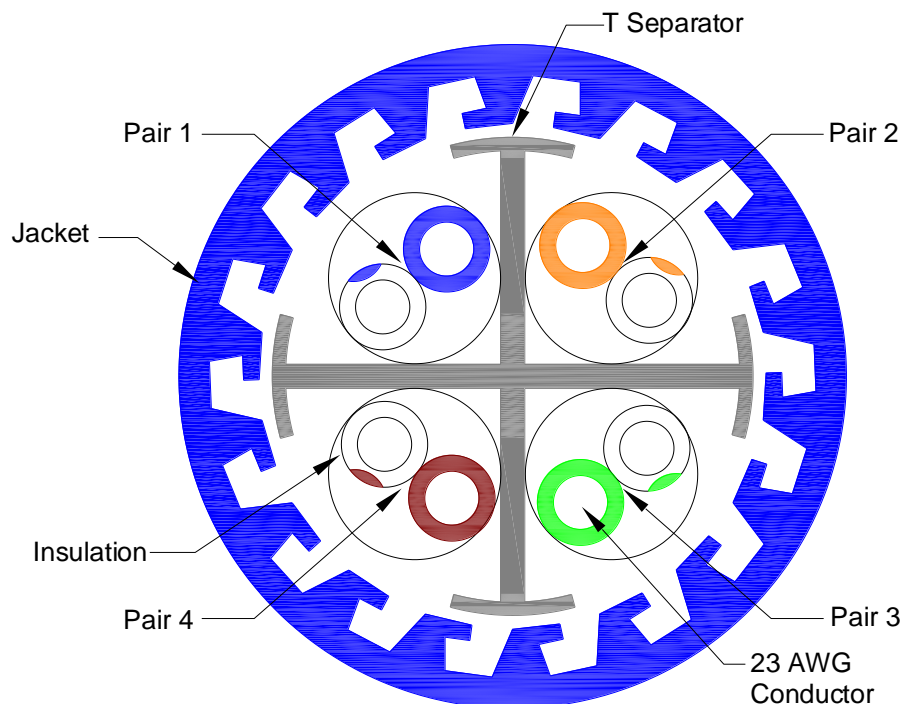
## Package Include:

A. Category 6A UTP CMP Solid Cable, **1000 Feet**



## Features and Benefits

- Complies with IEEE 802.3an 10G Base-T and TIA-568-C.2 standards
- 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 blue and white



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	570.0	67.0	67.0
4.0	3.8	24.2	69.3	67.3	59.8	56.8	552.0	67.0	66.2
8.0	5.3	26.3	64.8	62.8	53.7	50.7	546.7	67.0	60.1
10.0	5.9	27.0	63.3	61.3	51.8	48.8	545.4	67.0	58.2
16.0	7.5	27.0	60.2	58.2	47.7	44.7	543.0	67.0	54.1
20.0	8.4	27.0	58.8	56.8	45.8	42.8	542.0	67.0	52.2
25.0	9.4	26.3	57.3	55.3	43.8	40.8	541.2	67.0	50.2
31.25	10.5	25.6	55.9	53.9	41.9	38.9	540.4	67.0	48.3
62.5	15	23.5	51.4	49.4	35.9	32.9	538.6	65.6	42.3
100.0	19.1	22.1	48.3	46.3	31.8	28.8	537.6	62.5	38.2
155.0	24.1	20.8	45.4	43.4	28.0	25.0	536.9	59.6	34.4
200.0	27.6	20.0	43.8	41.8	25.8	22.8	536.5	58	32.2
250.0	31.1	19.3	42.3	40.3	23.8	20.8	536.3	56.5	30.2
300.0	34.3	18.8	41.1	39.3	22.3	19.3	536.1	55.3	28.7
350.0	37.2	18.3	40.1	38.1	20.9	17.9	535.9	54.3	27.3
400.0	40.1	17.9	39.3	37.3	19.8	16.8	535.8	53.5	26.2
500.0	45.3	17.5	37.8	35.8	17.8	14.8	535.6	52.0	24.2
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
  - T 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
  - Propagation Delay Skew: 25ns/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: 17.3"W X 13.0"H
  - Weight: 57.5 lbs.

