

Category 6A 650MHz UTP CMP Solid Cable

Package Include:

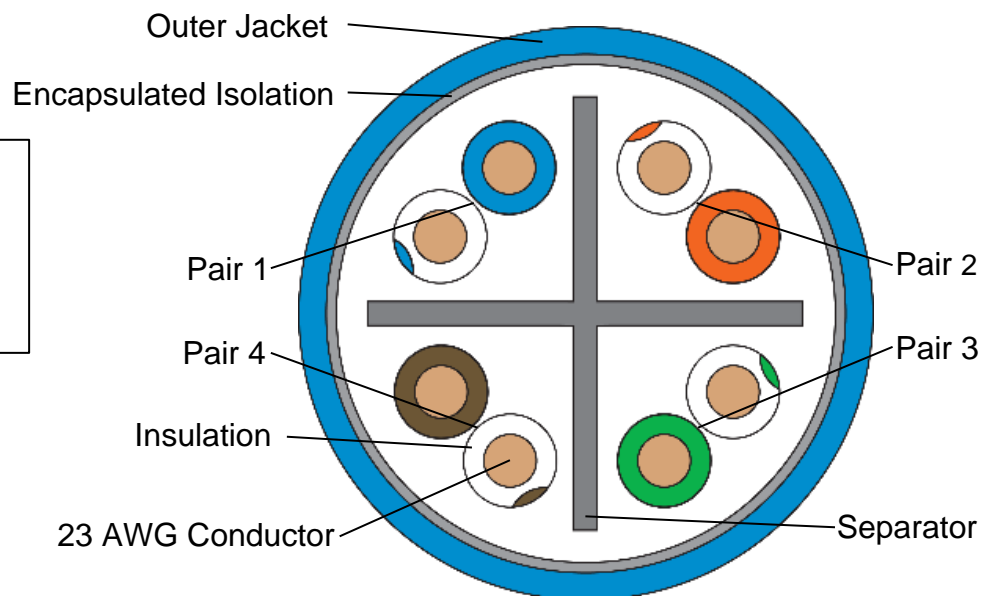
A. Category 6A UTP CMP Solid Cable, **1000 Feet**



Features and Benefits

- Complies to IEEE 802.3an 10G Base-T and TIA 568.2-D 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 444 compliant
- Plenum rated required in most commercial installations
- ETL verified TIA/EIA 568.2-D for maximum performance
- Available 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 (MHz)	PSACR ** (min)	ACR** (min)	Insertion Loss (min)	PSNEXT (min)	NEXT (min)	PSACRF (min)	ACRF (min)	Return Loss (min)	TLC (min)	PS ANEXT (min)	PS AACRF (min)
1.0	70.2	72.2	2.1	72.3	78.3	64.8	67.8	20.0	40.0	67.0	67.0
4.0	59.5	61.5	3.8	63.3	69.3	52.8	55.8	23.0	40.0	67.0	66.2
10.0	51.4	53.4	5.9	57.3	63.3	44.8	47.8	25.0	40.0	67.0	58.2
16.0	46.8	48.8	7.5	54.2	60.2	40.7	43.7	25.0	38.0	67.0	54.1
20.0	44.4	46.4	8.4	52.8	58.8	38.8	41.8	25.0	37.0	67.0	5.2
31.25	39.4	41.4	10.5	49.9	55.9	34.9	37.9	23.6	35.1	67.0	48.3
62.5	30.4	32.4	15.0	45.4	51.4	28.9	31.9	21.5	32.0	65.6	42.3
100.0	23.2	25.2	19.1	42.3	48.3	24.8	27.8	20.1	30.0	62.5	38.2
150.0	16.0	18.0	23.7	39.7	41.7	21.3	24.3	18.9	28.2	59.9	34.7
200.0	10.2	12.2	27.6	37.8	43.8	18.8	21.8	18.0	27.0	58.0	32.2
250.0	5.2	7.2	31.1	36.3	42.3	16.8	19.8	17.3	26.0	56.5	30.2
300.0	0.9	7.2	34.3	35.1	41.1	15.3	18.3	16.8	25.2	55.3	28.7
400.0	-	2.9	40.1	33.3	39.3	12.8	15.8	15.9	24.0	53.5	26.2
500.0	-	-	45.3	31.8	37.8	10.8	13.8	15.2	23.0	52.0	24.2
600*	-	-	50.1*	30.6*	32.6*	9.2*	12.2*	14.7*	22.2*	-	-
650*	-	-	54.5*	29.6*	31.6*	7.9*	10.9*	14.2*	21.5*	-	-

Note: Values are expressed in dB per 100 m (328ft.) length @20°C

*Frequencies beyond 500 MHz is reference only

**PSACR & ACR Not specified in ANSI/TIA 568.2-D

NOTE: UNLESS OTHERWISE SPECIFIED

- Standard:
 - o ANSI/TIA 568.2-D
 - o ANSI/TIA 862 (Building Automation)
 - o ISO/IEC 11801 Ed. 2.0 (Class EA)
 - o ICEA S-116-732
 - o NEC/CEC Type CMP (NFPA 262)
 - o RoHS Compliant Directive 2011/65/EC
 - o UL 444
- Construction:
 - o Size: 23 AWG
 - o Conductor: Solid Bare Copper
 - o Insulation: Plenum: Fluoropolymer
 - o Jacket: Plenum: Low-Smoke, Flame-Retardant PVC
 - o Nominal Cable Diameter (in): 0.250"
 - o Separator: Cross-Web
- Electrical/Physical Properties:
 - o Conductor DCR: OHMS/100M @20°C 7.5 Nominal, 9.38 Max
 - o DCR Unbalance: <1% Nominal, 4% Max
 - o Characteristic Impedance: 100 OHMS ±15 (10-500MHz)
- Packaging:
 - o Bulk Package: 1000 Feet/Reel
 - o Reel Size: 14.5"W x 14.5"L x 12.5"H
 - o Weight: 32 lbs/1000ft.

