

**PRIME**<sup>®</sup>  
Structured Cable

# CATEGORY 5E UTP CMP/PLENUM BULK CABLES

**BC11009059**

**Category 5E Bulk Cable**

**UTP 24AWG**

**CMP/Plenum**

**1000 ft.**

**UL verified**

**350 MHz**



**100% Bare Copper**  
**UL444**

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# CATEGORY 5E UTP CMP/PLENUM BULK CABLES

## Standard Compliances

All proposed Category 5E requirements as per ANSI/TIA/EIA, ISO/IEC, and CENELEC EN Standards, ANSI/TIA-568-C.2 Category 5E ISO/IEC 11801 Class D+ 2nd Edition CENELEC EN 50173-1 IEC 61156-5, CENELEC EN 50288-3-1 for Horizontal Cable  
Flame retardancy is verified according to NFPA 262

## Construction

Primaries: Conductor: 24 AWG (MIN.0.517mm)  
Solid Bare Copper Dual Insulation, Fep On All 4 Pairs  
Pair Assembly: 2 Primaries Twisted In Varied Lays  
Assembly: 4 Pairs Cabled Together, And 1 Rip Cord (Nylon Fiber)  
Jacket: No Lead Plenum Rated Thermoplastic, Nominal Cable OD: Nominal: 6.0 mm  
Listing: C(UL)US or C(ETL)US Type CMP UL or ETL Verified to Category 5E

## Physical Characteristics

Cable Weight: 13.87kg/1000ft (45.47 Kg/km)  
Bending Radius: 1.9" (48mm) Min. (8× Cable OD)  
Minimum Bend Radius: 8× Cable Diameter For 4-pair Unshielded Twisted-pair (UTP)  
Horizontal Cable, Under No-load Conditions

Pulling Tension: 25 lbf (110 N) Max  
Operating Temp.: -20°C To +60°C (-4°F to +140°F)  
Storage Temp.: -20°C To +75°C (-4°F to +167°F)  
Installation Temp.: 0°C To +60°C (+32°F to +140°F)

## Electrical Properties

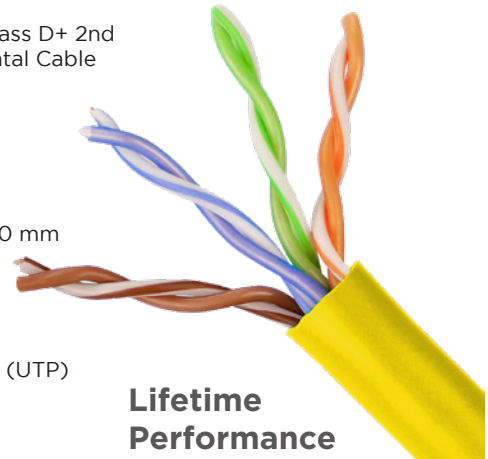
Operating Temp: -70°C ~ +150°C  
Voltage: 300V/AC Or V/DC  
Capacitance: 5.6nf/100m.Nom  
Characteristic Impedance: 100 ± 15% Ohms,1 - 250Mhz  
velocity of Propagation: 69% Nom.  
DCR: Conductor: 9.38 Ohms/100m.Nom  
D-C Resistance Unbalance: 5%, Max.  
Propagation Delay: 250mhz 536ns/100m Max.  
Delay Skew: 45ns/100m.MAX

## Application

100BASE-T Gigabit Ethernet, 100BASE-T Fast Ethernet (IEEE 802.3), 10BASE-T 100 VG - AnyLAN(IEEE802.12), 155/622 Mbps ATM, 350MHz Broadband Video Voice, T1, ISDN

## BC1100905X Electrical Performance

Freq (MHz)	Attenuation (dB)		NEXT (dB/100m)		PS NEXT (dB)		ACR (dB)		ACR-F (dB)		PSACR-F (dB)		Return Loss (dB)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.
1.0	2.0	1.8	65.3	77.7	62.3	75.2	63.3	75.9	63.8	69.2	60.8	68.5	20.0	40.1
4.0	4.1	3.7	56.3	68.7	53.3	66.0	52.2	65.0	51.7	57.5	48.7	57.0	23.0	40.1
10.0	6.5	6.0	50.3	60.7	47.3	58.3	43.8	54.7	43.8	49.0	40.8	48.2	25.0	37.3
16.0	8.2	7.7	47.3	56.1	44.3	53.7	39.1	48.4	39.7	45.6	36.7	43.8	25.0	36.7
20.0	9.3	8.6	45.8	55.3	42.8	52.9	36.5	46.7	37.7	43.6	34.7	42.8	25.0	36.0
31.25	11.7	10.8	42.9	52.7	39.9	50.0	31.2	41.9	33.9	40.1	30.9	39.3	23.6	32.6
62.5	17.0	15.5	38.4	48.0	35.4	45.5	21.4	32.5	27.8	34.7	24.8	33.5	21.5	31.6
100.0	22.0	19.8	35.3	44.5	32.3	42.2	13.3	24.7	23.8	30.4	20.8	29.4	20.1	31.7
125.0	24.8	23.0	33.9	43.0	30.9	41.4	9.1	13.4	21.9	25.9	18.9	26.3	19.5	27.8
200.0	32.4	31.4	30.8	39.5	27.8	38.0	-	8.10	17.8	20.0	14.8	19.2	18.0	24.8
250.0	36.8	36.0	29.4	37.5	26.4	37.0	-	1.50	15.9	18.1	12.9	15.1	17.4	22.2
300.0	40.8	41.0	28.4	29.5	25.4	34.1	-	1.50	15.9	17.1	12.9	13.1	16.8	21.8
350.0	44.9	43.0	27.1	28.5	24.1	30.1	-	1.40	13.9	15.1	11.9	12.1	16.3	20.3



**Lifetime  
Performance  
Warranty!**

