

**CATEGORY 6 CABLE - CMP**

**ELECTRICAL CHARACTERISTICS**

Impedance 1 ~ 250 MHz: 100 ± 15 Ohms  
 Nominal Mutual Capacitance @ 1 KHz: 15 pf/ft.  
 Nominal Velocity of Propagation: 70%  
 Maximum Delay Skew: ≤ 45 ns/100 m  
 Maximum DCR Unbalance @ 20° C: ≤ 5%  
 Maximum Conductor DC Resistance @ 20° C: 9.5 Ohms/100 m  
 Maximum Operating Voltage - UL: 300 V RMS  
 All the Cat6 certified to 250 MHz, swept to 500 MHz

**CONSTRUCTION CHARACTERISTICS**

Number of Pairs: 4  
 Total Number of Conductors: 8  
 AWG: 23 (.5 mm ± .01)  
 Conductor Stranding: Solid  
 Conductor Material: BC-Bare Copper  
 Insulation Material: FEP  
 Outer Jacket O.D.: .256" (6.5 mm)  
 Outer Jacket Material: LS-PVC  
 Outer Jacket Ripcord: Yes  
 Shipping Weight: 33 lbs/1,000 ft.  
 Max. Recommended Pulling Tension: 38 lbs.  
 Min. Bend Radius (Install): 1.0" (2.5 cm)  
 Operating Temperature Range: -20°C to + 75°C  
 Footage Markers: 0-1,000 ft.  
 UL/ETL Flame: UL 910 CMP  
 EIA/Tia: 568-B.2.1.  
 ISO: 11801 Class E  
 Insulation Colors: Blue, White/Blue - Orange, White/Orange  
 Green, White/Green - Brown, White/Brown



**DIMENSIONS**

Width: 14.38 in.  
 Height: 13.88 in.  
 Depth: 13.25 in.  
 Volume: 2,644.63 cubic in.  
 Weight: 25.50 lbs.

Frequency (MHz)	Return Loss (Min. dB)	Attenuation (Max. dB/100m)	NEXT (Min. dB)	PSNEXT (Min. dB)	ELFEXT (Min. dB/100m)	PSELFEXT (Min. dB/100m)
1	20.0	2.2	74.3	72.3	67.8	64.8
4	23.0	4.1	65.3	63.3	55.8	52.7
10	25.0	6.3	59.3	57.3	47.8	44.8
16	25.0	7.8	56.2	54.3	43.7	40.7
20	25.0	8.7	54.8	52.8	41.8	28.8
31.25	23.6	10.9	51.9	49.9	37.9	34.9
62.5	21.5	15.5	47.4	45.4	31.9	28.9
100	20.1	19.9	44.3	42.3	27.8	24.8
200	18.0	29.0	39.8	31.8	21.8	18.8
250	17.3	32.8	38.3	36.3	19.8	16.8