

PRIME[®]
Structured Cable

CATEGORY 6 UTP CMR BULK CABLES

BC2101000X

Category 6 Bulk Cable

UTP 23AWG

CMR

1000 ft.

UL verified

550 MHz

9 Colors Available



100% Bare Copper
UL444

Prime Wire & Cable, Inc.
Diamond Bar, CA 91765
primestructuredcable.com
datacenters@primewirecable.com
866-512-3415

Category 6 UTP Solid CMR Bulk Cables

Category 6 cabling solution supports the operation of 1000 BASE-TX over 100 meters and are qualified for frequency up to 500 MHz. It provides bandwidth required for multi-media, broadband video, analog video and other future applications.

Standard Compliances

TIA/EIA 568-C.2, UL 444, and ISO/IEC 11801

ROHS Compliant

ATM 155 Mbps

Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4

1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)

Sheath Physical Properties

Before Aging Tensile Strength (Mpa) ≥ 13.5

Elongation(%) ≥ 150

Aging Period (°Cx hrs) 100 Cx24hx7d

After Aging Tensile Strength(Mpa) ≥ 12.5

Elongation(%) ≥ 125

Cold bend(-20 \pm 2°Cx4h) 8xCable O.D.No visible cracks

Electrical Characteristics (20°C)

1.0-250.0MHz Impedance(Ω) 100 \pm 15

250-550 MHz Impedance(Ω) reference values

1.0-550.0MHz Delay Shew (ns/100m) ≤ 45

DC Resistance (Ω /100m) max 9.38

DC Conductor Resistance Unbalance (%)max 5.0

Application

1000BASE-TX Gigabit Ethernet

100BASE-T (IEEE 802.3)

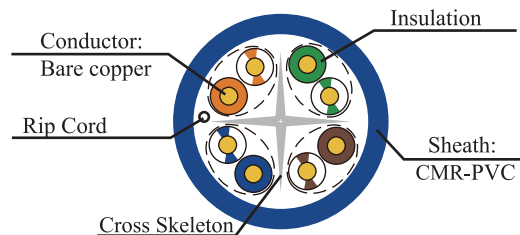
100 VG - AnyLAN(IEEE802.12)

Voice, T1, ISDN, 10BASE(IEEE802.3)

155/622 Mbps ATM, 500 MHz Broadband Video



**Lifetime
Performance
Warranty!**



BC2101000X Electrical Performance

Freq (MHz)	Attenuatio (dB/100m)	Return Los (dB)	NEXT (dB)	PS-NEX (dB)	ELFEX (dB/100m)	PS-ELFEX (dB/100m)	DELA (ns/100m)	ACR (dB)
	Max.	Min.	Min.	Min.	Min.	Min.	Max.	
1	2.03	20.00	74.30	72.30	67.80	64.80	570.00	72.70
4	3.87	23.01	65.27	63.27	55.76	52.76	552.00	61.40
10	5.95	25.00	59.30	57.30	47.80	44.80	545.38	53.35
16	7.55	25.00	56.24	54.24	43.72	40.72	543.00	48.69
20	8.47	25.00	54.78	52.78	41.78	38.78	542.05	46.31
25	9.51	24.32	53.33	51.33	39.84	36.84	541.20	43.82
31.25	10.67	23.64	51.88	49.88	37.90	34.90	540.44	41.21
62.5	15.38	21.54	47.36	45.36	31.88	28.88	538.55	31.98
100	19.80	20.11	44.30	51.30	27.80	24.80	537.60	24.50
200	28.98	18.00	39.78	37.78	21.78	18.78	536.55	10.80
250	32.85	17.32	38.33	36.33	19.84	16.84	536.28	5.48
300	36.41	16.80	37.10	35.10	18.45	15.45	536.10	-
500	45.30	15.20	33.80	31.80	13.80	10.80	535.60	-