

Category 6 Cable - 250 MHz

CMR/CMG (Non-Plenum) & CMP (Plenum)

Product Construction:

- ▶ **Conductors:** 23 AWG Bare Copper
- ▶ **Insulation:** CMR/CMG: FRPE
CMP: FEP
- ▶ **Separator Tape:** Non-Plenum CMR only
- ▶ **Rip Cord:** Longitudinally applied under jacket
- ▶ **Jacket** CMR/CMG: FR-PVC
CMP: Low Smoke FR-PVC

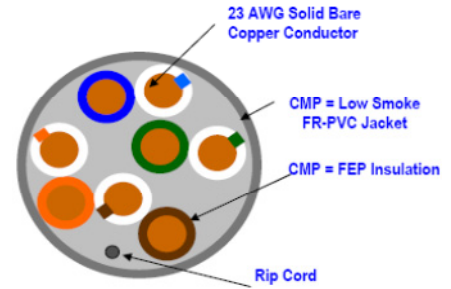
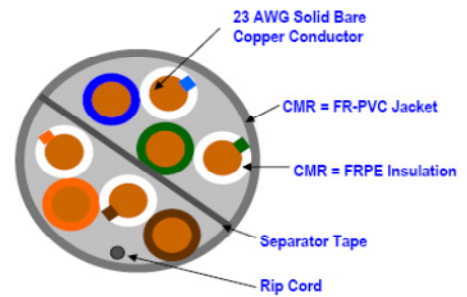
- ▶ **Color Code Pairs:**
Blue-White/Blue, Orange-White/Orange, Green-White/Green, Brown-White/Brown

- ▶ **Temperature Rating:** -20 to +75°C
- ▶ **Nominal Cable Diameter - Inches:**
- ▶ **Nominal Cable Weight - Lbs:**
- ▶ **Minimum Bend Radius - Inches:**
- ▶ **Maximum Pulling Force - Lbs:**

CMR/CMG	CMP
.240	.225
26	28
1.4	1.4
25	25

Jacket Color	Pull- Box -1000'		Reels in Box - 1000'	
	CMR/CMG	CMP	CMR/CMG	CMP
Gray	I99995.1B	I99993.10B	I99995.1H	I99993.10H
Blue	I99995.2B	I99993.1B	I99995.2H	I99993.1H
White	I99995.3B	I99993.2B	I99995.3H	I99993.2H

1000' Reels substitute A for suffix. Other colors and packaging available, consult Factory.



Applications:

- ▶ Ethernet - 1000 Base-T: 100 Base-T: 10 Base-T
- ▶ PoE - IEEE 802.3af DTE Power
- ▶ ATM – 55/155 Mbps
- ▶ ATM Forum – 1.2Gbps ATM or 622 Mbps
- ▶ WGNA 1Gbps Networking System
- ▶ ISDN
- ▶ Video: MPEG4 / M-JPEG / Digital / Analog / Baseband / Broadband
- ▶ Multimedia and Voice

Compliances:

- ▶ TIA 568-C.2 (ANSI) Category 6 (ETL Verified)
- ▶ Riser Rated: UL 1666 Vertical Shaft (UL Listed)
- ▶ Plenum Rated: NFPA 262 (UL-910) (UL Listed)
- ▶ ANSI/TIA/EIA-862 (Building Automation)
- ▶ ICEA S-102-700 (Category 6)
- ▶ UL Subject 444
- ▶ UL/NEC Type CMR or Type CMP as indicated
- ▶ ISO/IEC 11801 Ed. 2.0 (Class E)

Electrical Values & Performance:

DC Resistance (Max) Ohms 100m (328 FT) @ 20°C	9.38
DC Resistance Unbalance (max) Individual Pair %	3.0
Capacitance Nominal - pF/ft @ 1KHz	15
Delay Skew (max) ns/100m	45
Nominal Velocity of Propagation-% Speed of Light	CMR: 70 CMP: 68
Charateristic Impedance Frequency - Ohms	100 ± 15

FREQUENCY (MHz)	ATTENUATION (dB/100m)	NEXT (dB)	ACR (dB)	PSNEXT (dB)	PSACR (dB)	ELFEXT (dB)	PS-ELFEXT (dB)	RETURN Loss (dB)	TCL (min)	ELCTL (min)
1	2.0	74.3	72.3	72.3	70.3	67.8	64.8	20.0	40.0	35.0
4	3.8	65.3	61.5	63.3	59.5	55.8	52.8	23.0	40.0	23.0
10	6.0	59.3	53.3	57.3	51.3	47.8	44.8	25.0	40.0	15.0
16	7.6	56.2	48.7	54.2	46.7	43.7	40.7	25.0	38.0	10.9
20	8.5	54.8	46.3	52.8	44.3	41.8	38.8	25.0	37.0	9.0
31.25	10.7	51.9	41.2	49.9	39.2	37.9	34.9	23.6	35.1	5.1
62.5	15.4	47.4	32.0	45.4	30.0	31.9	28.9	21.5	32.0	5.0
100	19.8	44.3	24.5	42.3	22.5	27.8	24.8	20.1	30.0	5.0
200	29.0	39.8	10.8	37.8	8.8	21.8	18.8	18.0	27.0	5.0
250	32.8	38.3	5.5	36.3	3.5	19.8	16.8	17.3	26.0	5.0



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