

Category 5e Cable - 350 MHz

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

Product Construction:

- ▶ **Conductors:** 24 AWG Bare Copper
- ▶ **Insulation:** CMR/CMG: FRPE
CMP: FEP
- ▶ **Rip Cord:** Longitudinally applied under jacket
- ▶ **Jacket:** CMR/CMG: FR-PVC
CMP: Low Smoke FR-PVC

Jacket Color	Pull-Box -1000'		Reels in Box - 1000'		Reels (1000')	
	CMR/CMG	CMP	CMR/CMG	CMP	CMR/CMG	CMP
Gray	R19776.1B	P19915.3B	R19776.1H	P19915.3H	R19776.1A	P19915.3A
Blue	R19776.3B	P19915.2B	R19776.3H	P19915.2H	R19776.3A	P19915.2A
White	R19776.4B	P19915.1B	R19776.4H	P19915.1H	R19776.4A	P19915.1A

Other colors and packaging available - Consult Factory

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:**

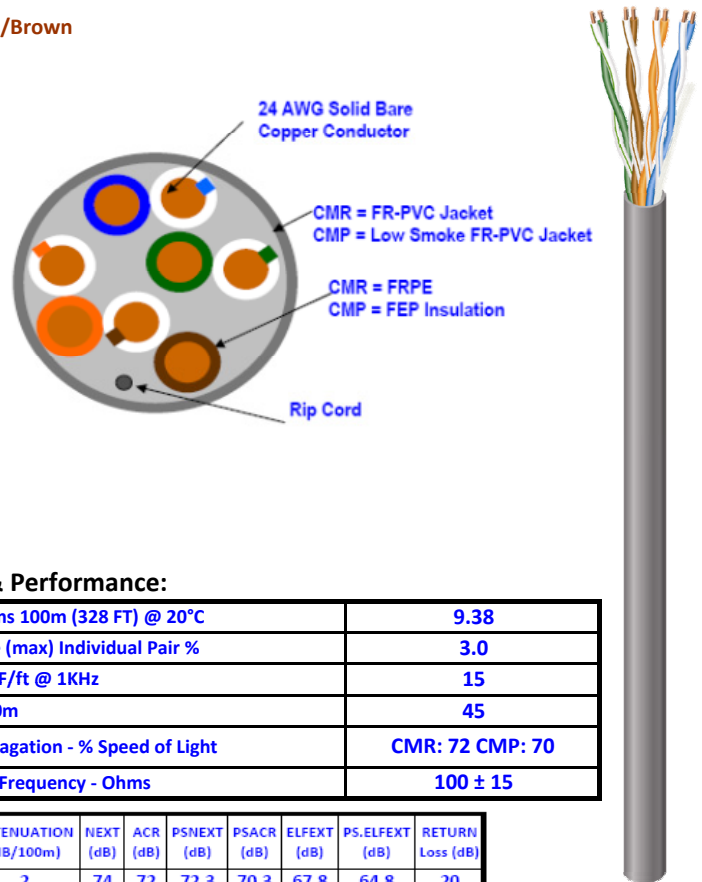
CMR/CMG	CMP
.200	.190
22	24
1.4	1.4
25	25

Applications:

- ▶ Ethernet - 1000 Base-T ; 100 Base-T ; 10 Base-T
- ▶ PoE - IEEE 802.3af DTE Power
- ▶ ATM – 55/155 Mbps
- ▶ TP-PMD (ANSI X3T9.5) 100 Mbps
- ▶ ISDN
- ▶ Video: MPEG-4 / M-JPEG / Digital / Analog / Baseband / Broadband
- ▶ Multimedia and Voice
- ▶ Extended RS422

Compliances:

- ▶ TIA 568-C.2 (ANSI) 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-90-661
- ▶ 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: 72 CMP: 70
Characteristic 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)
1	2	74	72	72.3	70.3	67.8	64.8	20
4	3.8	66	62	63.3	59.5	55.7	52.7	23
8	5.4	61	55	58.8	53.4	49.7	46.7	24.5
10	6	59	53	57.3	51.3	47.8	44.8	25
16	7.6	56	49	54.3	46.7	43.7	40.7	25
20	8.5	55	46	52.8	44.3	41.7	38.7	25
25	9.6	53	44	51.3	41.7	39.8	36.8	24.3
31.25	10.7	51	41	49.9	39.2	37.9	34.9	23.6
62.5	15.5	47	32	45.1	29.9	31.8	28.8	21.5
100	19.9	44	24	42.3	22.4	27.8	24.8	20.1
155	25.3	42	16	39.5	14.2	23.9	20.9	18.8
200	29.2	40	11	37.8	8.6	21.7	18.7	18
240	36	33	-	30.6	-	16.2	13.2	17.4
300	41	31	-	29.2	-	14.2	11.2	16.8
350	44.9	30	-	28.1	-	12.9	9.9	16.3

