

CATEGORY CABLE

CATEGORY 6 250 MHz - RISER RATED (CMR/CMG) & PLENUM RATED (CMP)



RISER RATED - CMR

APPLICATIONS - RISER (CMR-CMG)

1000 BASE-T (GIGABIT ETHERNET); 100 BASE-T (FAST ETHERNET); 10 BASE-T (IEEE 802.3); 4/16 Mbps TOKEN RING (IEEE 802.5); 100 VG-Any LAN 55/155 Mbps ATM; 1.2 Gbps ATM (ATM Forum); 622 Mbps ATM (ATM Forum); 1 Gbps Networking System (WGNA); VOICE, ISDN

INDUSTRY APPROVALS - RISER (CMR-CMG)

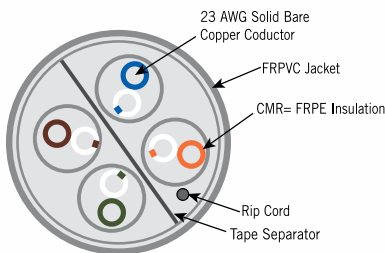
- ETL Verified ANSI TIA 568-C.2 Category 6
- UL SUBJECT 444
- (UL) c(UL) TYPE CMR/CMG
- ISO/IEC 11801
- NEC® ARTICLE 800 TYPE CMR (UL 1666) OR CM FT4
- ISO/TEC 11801

CONSTRUCTION - RISER (CMR-CMG)

23 AWG solid bare copper, 4 unshielded twisted pairs, FRPE insulation, tape separator, rip cord, FRPVC jacket, operating temperature 75°C, 300 volts

- **Sample Jacket Marking:**

E118871 4PR 23AWG CMR (UL) c(UL) ETL VERIFIED TO TIA 568-C.2 CATEGORY 6 250 MHz. RoHS COMPLIANT. SEQUENTIAL FOOTAGE MARKING



PLENUM RATED - CMP

APPLICATIONS - PLENUM (CMP)

1000 BASE-T (GIGABIT ETHERNET); 100 BASE-T (FAST ETHERNET); 10 BASE-T (IEEE 802.3); 4/16 Mbps TOKEN RING (IEEE 802.5); 100 VG-Any LAN 55/155 Mbps ATM; 1.2 Gbps ATM (ATM Forum); 622 Mbps ATM (ATM Forum); 1 Gbps Networking System (WGNA); VOICE, ISDN

INDUSTRY APPROVALS - PLENUM (CMP)

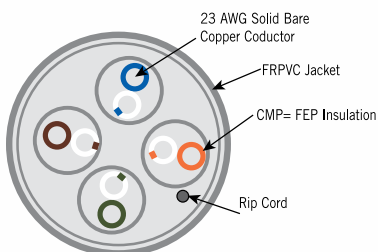
- ETL Verified ANSI TIA 568-C.2 CATEGORY 6
- ISO/IEC 11801 Approved For Plenum Use Without Conduit Per NEC® Article 800 by passing UL-910 Steiner Tunnel Test and CSA CMP FT6
- UL LISTED CMP(NFPA 262), UL 444

CONSTRUCTION - PLENUM (CMP)

23 AWG solid bare copper, 4 unshielded twisted pairs, FEP insulation, rip cord, FRPVC jacket, operating temperature 75°C, 300 volts

- **Sample Jacket Marking:**

E118871 4PR 23AWG CMP (UL) c(UL) 75C ETL VERIFIED TO TIA 568-C.2 CATEGORY 6 250 MHz. RoHS COMPLIANT. SEQUENTIAL FOOTAGE MARKING



PACKAGING

AVAILABLE IN 1000 FT. BOXES OR REELS. REEL-IN-A-BOX UPON REQUEST.

JACKET COLORS OTHER THAN LISTED CONSULT FACTORY. COLOR CODE:

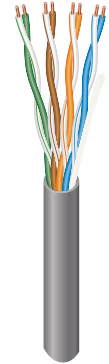
(Orange & White/Orange, Green & White/Green, Blue & White/Blue, Brown & White/Brown)

DATA/ TELEPHONE CABLE

CATEGORY 6 - 250 MHz CABLE - RISER RATED (CMR /CMG)										
TWC PART NUMBER	SW PART NUMBER	DESCRIPTION	AWG	# PAIRS	NOM. DIAM. (inch)	PACKAGING			JACKET COLOR	UL/ NEC®
						TYPE	LENGTH	lbs/1000 ft		
I99995.2A	57789201	CAT6 250 MHz 23/4P SOL BC CMR BLU	23	4	0.230	REELS	1000'	26	BLUE	CMR
I99995.2B	57789202	CAT6 250 MHz 23/4P SOL BC CMR BLU	23	4	0.230	REELEX	1000'	26	BLUE	CMR
I99995.2H	57789203	CAT6 250 MHz 23/4P SOL BC CMR BLU	23	4	0.230	RIBS	1000'	26	BLUE	CMR
I99995.3A	57789301	CAT6 250 MHz 23/4P SOL BC CMR WHT	23	4	0.230	REEL	1000'	26	WHITE	CMR
I99995.3B	57789302	CAT6 250 MHz 23/4P SOL BC CMR WHT	23	4	0.230	REELEX	1000'	26	WHITE	CMR
I99995.3H	57789303	CAT6 250 MHz 23/4P SOL BC CMR WHT	23	4	0.230	RIBS	1000'	26	WHITE	CMR



CATEGORY 6 - 250 MHz CABLE - PLENUM RATED - (CMP)										
TWC PART NUMBER	SW PART NUMBER	DESCRIPTION	AWG	# PAIRS	NOM. DIAM. (inch)	PACKAGING			JACKET COLOR	UL/ NEC®
						TYPE	LENGTH	lbs/1000 ft		
I99993.1A	57788901	CAT6 250 MHz 23/4P SOL BC CMP BLU	23	4	0.225	REELS	1000'	28	BLUE	CMP
I99993.1B	57788902	CAT6 250 MHz 23/4P SOL BC CMP BLU	23	4	0.225	REELEX	1000'	28	BLUE	CMP
I99993.1H	57788903	CAT6 250 MHz 23/4P SOL BC CMP BLU	23	4	0.225	RIBS	1000'	28	BLUE	CMP
I99993.2A	57789101	CAT6 250 MHz 23/4P SOL BC CMP WHT	23	4	0.225	REEL	1000'	28	WHITE	CMP
I99993.2B	57789102	CAT6 250 MHz 23/4P SOL BC CMP WHT	23	4	0.225	REELEX	1000'	28	WHITE	CMP
I99993.2H	57789103	CAT6 250 MHz 23/4P SOL BC CMP WHT	23	4	0.225	RIBS	1000'	28	WHITE	CMP



CATEGORY 6 - 250 MHz ELECTRICAL PERFORMANCE DATA									
FREQUENCY	ATTENUATION (dB/100m)	NEXT (dB)	AGR (dB)	PSNEXT (dB)	PSACR (dB)	ELFEXT (dB)	PS.ELFEXT (dB)	RETURN LOSS (dB)	CHARACTERISTIC IMPEDANCE (OHMS)
1	2.0	74.3	72.3	72.3	70.3	67.8	64.8	20	100 ± 15
4	3.8	65.3	61.5	63.3	59.5	55.8	52.8	23	100 ± 15
8	5.3	60.8	55.4	58.8	53.4	49.7	46.7	24.5	100 ± 15
10	6.0	59.3	53.3	57.3	51.3	47.8	44.8	25	100 ± 15
16	7.6	56.2	48.7	54.2	46.7	43.7	40.7	25	100 ± 15
20	8.5	54.8	46.3	52.8	44.3	41.8	38.8	25	100 ± 15
25	9.5	53.3	43.8	51.3	41.8	39.8	36.8	24.3	100 ± 15
31.25	10.7	51.9	41.2	49.9	39.2	37.9	34.9	23.6	100 ± 15
62.5	15.4	47.4	32.0	45.4	30.0	31.9	28.9	21.5	100 ± 15
100	19.8	44.3	24.5	42.3	22.5	27.8	24.8	20.1	100 ± 15
155	25.2	41.4	16.3	39.4	14.3	24.0	21.0	18.8	100 ± 15
200	29.0	39.8	10.8	37.8	8.8	21.8	18.8	18	100 ± 15
250	32.8	38.3	5.5	36.3	3.5	19.8	16.8	17.3	100 ± 15

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