

CATEGORY CABLE

CATEGORY 6 550 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

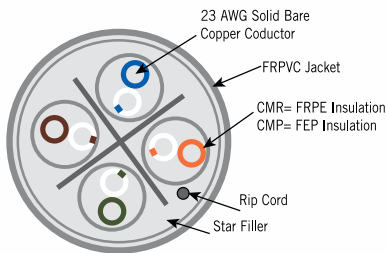
INDUSTRY APPROVALS - RISER (CMR-CMG)

- 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

CONSTRUCTION - RISER (CMR-CMG)

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

- **Sample Jacket Marking:**
E118871 4PR 23AWG CMR (UL) c(UL) CMG 75C ETL VERIFIED TO TIA 568-C.2
CATEGORY 6 550 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, star filler, 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 6 550 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 - 550 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			
I99998.2A	57789701	CAT6 550 MHz 23/4P SOL BC CMR BLU	23	4	0.240	REELS	1000'	32	BLUE	CMR	
I99998.2B	57789702	CAT6 550 MHz 23/4P SOL BC CMR BLU	23	4	0.240	REELEX	1000'	32	BLUE	CMR	
I99998.2H	57789703	CAT6 550 MHz 23/4P SOL BC CMR BLU	23	4	0.240	RIBS	1000'	32	BLUE	CMR	
I99998.3A	57789801	CAT6 550 MHz 23/4P SOL BC CMR WHT	23	4	0.240	REEL	1000'	32	WHITE	CMR	
I99998.3B	57789802	CAT6 550 MHz 23/4P SOL BC CMR WHT	23	4	0.240	REELEX	1000'	32	WHITE	CMR	
I99998.3H	57789803	CAT6 550 MHz 23/4P SOL BC CMR WHT	23	4	0.240	RIBS	1000'	32	WHITE	CMR	
I99998.4B	57789902	CAT6 550 MHz 23/4P SOL BC CMR YLW	23	4	0.240	RIBS	1000'	32	YELLOW	CMR	



CATEGORY 6 - 550 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			
I99997.1A	57789401	CAT6 550 MHz 23/4P SOL BC CMR BLU	23	4	0.230	REELS	1000'	36	BLUE	CMR	
I99997.1B	57789402	CAT6 550 MHz 23/4P SOL BC CMR BLU	23	4	0.230	REELEX	1000'	36	BLUE	CMR	
I99997.1H	57789403	CAT6 550 MHz 23/4P SOL BC CMR BLU	23	4	0.230	RIBS	1000'	36	BLUE	CMR	
I99997.2A	57789501	CAT6 550 MHz 23/4P SOL BC CMR WHT	23	4	0.230	REEL	1000'	36	WHITE	CMR	
I99997.2B	57789502	CAT6 550 MHz 23/4P SOL BC CMR WHT	23	4	0.230	REELEX	1000'	36	WHITE	CMR	
I99997.2H	57789503	CAT6 550 MHz 23/4P SOL BC CMR WHT	23	4	0.230	RIBS	1000'	36	WHITE	CMR	
I99997.3B	57789602	CAT6 550 MHz 23/4P SOL BC CMR YLW	23	4	0.230	RIBS	1000'	36	YELLOW	CMR	



CATEGORY 6 - 550 MHz ELECTRICAL PERFORMANCE DATA									
FREQUENCY	ATTENUATION (dB/100m)	NEXT (dB)	ACR (dB)	PSNEXT (dB)	PSACR (dB)	ELFEXT (dB)	PS.ELFEXT (dB)	RETURN LOSS (dB)	CHARACTERISTIC IMPEDANCE (OHMS)
1	2	76.3	74.3	74.3	72.3	67.8	64.8	20	100 ± 15
4	3.8	67.3	63.5	65.3	61.5	55.7	52.7	23	100 ± 15
8	5.3	62.8	57.5	60.8	55.5	49.7	46.7	24.5	100 ± 15
10	6	61.3	55.3	59.3	53.3	47.8	44.8	25	100 ± 15
16	7.6	58.3	50.7	56.3	48.7	43.7	40.7	25	100 ± 15
20	8.5	56.8	48.3	54.8	46.3	41.7	38.7	25	100 ± 15
25	9.5	55.3	45.8	53.3	43.8	39.8	36.8	24.3	100 ± 15
31.25	10.7	53.9	43.2	51.9	41.2	37.9	34.9	23.6	100 ± 15
62.5	15.4	49.4	34	47.4	32	31.8	28.8	21.5	100 ± 15
100	19.8	46.3	26.5	44.3	24.5	27.8	24.8	20.1	100 ± 15
155	25.1	43.5	18.4	41.5	16.4	23.9	20.9	18.8	100 ± 15
200	29	41.8	12.8	39.8	10.8	21.7	18.7	18	100 ± 15
250	32.8	40.3	7.5	38.3	5.5	19.8	16.8	17.3	100 ± 15
300	36.4	39.2	2.8	37.2	0.8	18.2	15.2	16.8	100 ± 15
400	43	37.3	-	35.3	-	15.7	12.7	15.9	100 ± 15
550	51.8	35.2	-	33.2	-	12.9	9.9	14.9	100 ± 15

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