



## Communications Circuits Voice & Data Cables

### Enhanced Category 6E – 550 Mhz

**CONSTRUCTION:**

23 AWG SOLID BARE COPPER, 4 UNSHIELDED TWISTED PAIRS, FRPE INSULATION, STAR FILLER, RIP CORD, FRPVC JACKET, OPERATING TEMPERATURE 75C, 300 VOLTS.

**APPLICATIONS:**

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

**COMPLIANCE:**

ANSI TIA/EIA-568B.2, UL SUBJECT 444, NEC ARTICLE 800 TYPE CMR (UL 1666) OR CM FT4, ISO/TEC 11801.

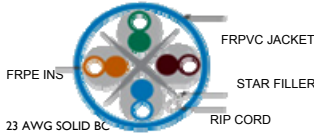
**PRINT:**

E118871 4PR 23AWG CMR (UL) c(UL) ETL VERIFIED TO ANSI TIA/EIA-568-B.2 CATEGORY 6E 550 MHZ. SEQUENTIAL FOOTAGE MARKING.

**FEATURES/OPTIONS  
AVAILABLE:**

AVAILABLE IN 1000 FT. BOXES OR REELS. REEL-IN-A-BOX UPON REQUEST. JACKET COLORS OTHER THAN LISTED BELOW, CONSULT FACTORY. COLOR CODE (Orange&White/Orange, Brown & White/Brown, Blue & White/Blue, Green & White/Green)

### RISER RATED - CMR



AWG	# PAIRS	IMP. OHMS	CABLE TYPE	NOM. O.D.	UL LISTINGS	AVG LBS PER MFT	TAPPAN SPEC #
23	4	100±15	UTP	.240	CMR	32	I99998.X

Jacket Color = .X 1 = gray, 2=blue, 3=white, 4=yellow, 5=green

**CONSTRUCTION:**

23 AWG SOLID BARE COPPER, 4 UNSHIELDED TWISTED PAIRS, FEP INSULATION, STAR FILLER, RIP CORD, FRPVC JACKET, OPERATING TEMPERATURE 75C, 300 VOLTS.

**APPLICATIONS:**

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

**COMPLIANCE:**

ANSI TIA/EIA-568 B.2, 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.

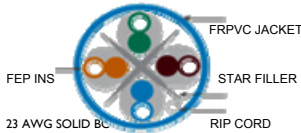
**PRINT:**

E118871 4PR 23AWG CMP (UL) c(UL) ETL VERIFIED TO ANSI TIA/EIA-568-B.2 CATEGORY 6E 550 MHZ. SEQUENTIAL FOOTAGE MARKING.

**FEATURES/OPTIONS  
AVAILABLE:**

AVAILABLE IN 1000 FT. BOXES OR REELS. REEL-IN-A-BOX UPON REQUEST. JACKET COLORS OTHER THAN LISTED BELOW, CONSULT FACTORY. COLOR CODE (Orange&White/Orange, Brown & White/Brown, Blue & White/Blue, Green & White/Green)

### PLENUM RATED - CMP



AWG	# PAIRS	IMP. OHMS	CABLE TYPE	NOM. O.D.	UL LISTINGS	AVG LBS PER MFT	TAPPAN SPEC #
23	4	100±15	UTP	.230	CMP	36	I99997.X

Jacket Color = .X 1=blue, 2=white

FREQUENCY (MHz)	ATTENUATION (dB/100m)	NEXT (dB)	ACR (dB)	PSNEXT (dB)	PSACR (dB)	ELFEXT (dB)	PS.ELFEXT (dB)	RETURN Loss (dB)	CHARACTERISTIC IMPEDANCE 1-350 MHz (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