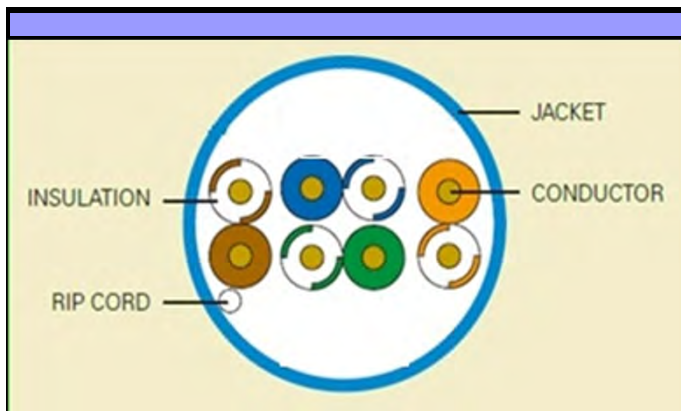


# Category 6E 500MHZ No Spline CMR/PVC 4 Pair Cable



### Description

23 AWG CAT6 CMR, High-Performance Data Cable

### Applicable Standards

- ETL Listed Type CMR
- C(ETL) listed CMR FT4
- ETL Verified to ANSI/TIA-568-C.2, and ISO/IEC 11801
- ROHS Compliant
- ATM 155 Mbps
- Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4
- 1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)
- 16 Mbps Token Ring™ (IEEE 802.5)

### Physical Characteristics

Number of Conductor Pairs	4
Size	23 AWG
Stranding	Solid
Conductor Material	Soft & Annealed Bare Copper
Shield Material	Unshielded
Rip Cord	Yes
Insulation Material	HDPE
Insulation Overall Diameter	0.037 in.
Insulation Average Thickness	0.0088 in.
Jacket	Flame Retardant PVC
Outer Jacket Average Wall Thickness	0.023 in.
Outer Jacket Nominal O.D.	0.205 in.
Nominal Weight	25 lbs.

### Mechanical Characteristics

Temperature Rating	Installation	0 to + 60°C
	Operating	-20°C to + 75°C
Tensile Strength	Before	> = 13.8 Mpa
Elongation	Aging	> = 100%
	Aging Condition	100°C x 168 hours
Aging	After	> = 85% of unaged
	Aging	> = 50% of unaged

### Color Code

Pair 1	White / Blue	Blue
Pair 2	White / Orange	Orange
Pair 3	White / Green	Green
Pair 4	White / Brown	Brown

### Cable Marking

xxxxxx CATEGORY 6E 500MHZ 23AWG 4 PR UTP CMR 75C  
C(ETL)US VERIFIED CAT6 ANSI/TIA-568-C.2. 0000FT: Every

### Electrical Performance

Frequency (MHz)	Attenuation (dB/100m)	Return loss (dB)	NEXT (dB)	PS-NEXT (dB)
	Max.	Min.	Min.	Min.
1	2.0	20.0	77.3	75.3
4	3.8	23.6	68.3	66.3
8	5.3	25.4	63.8	61.8
10	5.9	26.0	62.3	30.3
16	7.4	26.0	59.3	57.3
20	8.3	26.0	57.8	55.8
25	9.3	25.5	56.3	54.3
31.25	10.4	25.0	54.9	52.9
62.5	14.9	23.5	50.4	48.4
100	19.0	22.5	47.3	45.3
155	23.9	21.6	45.8	43.5
200	27.4	21.0	42.8	40.8
250	30.8	20.5	41.3	39.3
300	34.0	20.1	40.2	38.2
350	37.0	19.8	39.2	37.2
400	39.7	19.5	38.3	36.3
500	44.9	19.0	36.8	34.8

Frequency (MHz)	ELFEXT Min. (dB)	PS-ELFEXT Min. (dB)	ACR Min. (dB)	PS-ACR Min. (dB)
1	70.8	67.8	75.0	73.0
4	58.7	55.7	64.0	62.0
8	52.7	49.7	57.7	55.7
10	50.8	47.8	55.6	53.6
16	46.7	43.7	50.7	48.7
20	44.7	41.7	48.2	16.2
25	42.8	39.8	45.6	13.6
31.25	40.9	37.9	42.8	40.8
62.5	34.8	31.8	32.9	30.9
100	30.8	27.8	24.9	22.9
155	27.0	23.6	21.0	21.5
200	24.7	21.7	18.4	16.4
250	22.8	19.8	13.5	11.5
300	21.2	18.2	9.6	5.0
350	19.9	16.9	5.2	3.2
400	18.7	15.7	1.5	-
500	16.8	13.8	-	-

### Part Numbers

Part Numbers	Color	Put-up
6E04URSPLSBL4	Blue	1,000' Reelex II
6E04URSPLSWH4	White	1,000' Reelex II
6E04URSPLSGY4	Gray	1,000' Reelex II
6E04URSPLSYL4	Yellow	1,000' Reelex II
6E04URSPLSGN4	Green	1,000' Reelex II
6E04URSPLSBK4	Black	1,000' Reelex II
6E04URSPLSRD4	Red	1,000' Reelex II