

# Category 6E Twisted Pair Data Cables CMR/CMP



## Standard Compliances

- ANSI/TIA/EIA-568-B.2-1 (Category 6)
- ANSI/TIA/EIA-862 (Building Automation)
- ISO/IEC 11801 Ed. 2.0 (Class E)
- ICEA S-102-700 (Category 6)
- UL and c(UL) Type CMR (UL 1666) for Non-Plenum
- UL and c(UL) Type CMP (NFPA 262) for Plenum
- UL 444

## Applications

- IEEE 802.3: 1000BASE-T (Gigabit Ethernet), 100BASE-TX, 10BASE-T
- ANSI/TIA/EIA-854: 1000BASE-TX
- 155 Mp/s, 1.2 Gb/s ATM
- ANSI X3.263: 100Mb/s
- IEEE 802.3af DTE Power (POE)
- 4/16 Mb/s Token Ring
- Digital Video
- Broadband and Baseband analog video

Part No. 4P23B1CMR6E – Non-Plenum

Part No. 4P23B1CMP6E – Plenum

See referenced pages in the  
Hardware & Supplies section:

### Installation Hardware

- Acme 25AC Staple Gun - I-3

### Suggested Prep Tools

- SMART-STRIP Stripper - I-11
- Universal Drop Trimmer - I-9

## Electrical Performance (typical)

Frequency MHz	PSACR min.	ACR min.	Attenuation max.	PSNEXT min.	NEXT min.	PSELFEXT min.	ELFEXT min.	Return Loss min.	LCL min.	ELTCTL
1	74.3	76.3	2	76.3	78.3	71.8	74.8	20	50	35
4	63.6	65.6	3.7	67.3	69.3	59.7	62.7	23	44	23
10	55.5	57.5	5.8	61.3	63.3	51.8	54.8	25	40	15
16	50.8	52.8	7.4	58.2	60.2	47.7	50.7	25	38	10.9
20	48.5	50.5	8.3	56.8	58.8	45.7	48.7	25	37	9
31.25	43.4	45.4	10.5	53.9	55.9	41.9	44.9	23.6	35.1	5.1
62.5	34.3	36.3	15.1	49.4	51.4	35.8	38.8	21.5	32	-
100	26.9	28.9	19.4	46.3	48.3	31.8	34.8	20.1	30	-
200	13.4	15.4	28.4	41.8	43.8	25.7	28.7	18	27	-
250	8.1	10.1	32.2	40.3	42.3	23.8	26.8	17.3	26	-
300	3.4	5.4	35.7	39.1	41.1	22.2	25.2	16.8	25.2	-
350	-	1.1	39	38.1	40.1	20.9	23.9	16.3	24.6	-
400	-	-	42.1	37.3	39.3	19.7	22.7	15.9	24	-
500	-	-	48	35.8	37.8	17.8	20.8	15.2	23	-

Note: Values are expressed in dB per 100m (328 ft) length.