

# Category 6 Twisted Pair Data Cables

## Unshielded Twisted Pair (UTP) CMR/CMP

### Standard Compliances

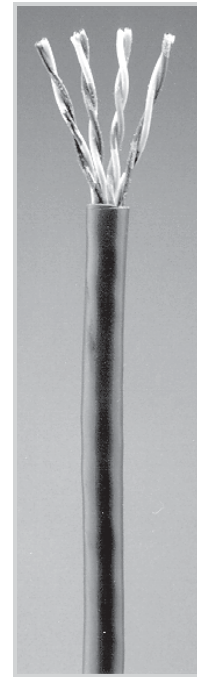
- ANSI/TIA/EIA-568-B.2-1 (Category 6)
- ANSI/TIA/EIA-862 (Building Automation)
- ISO/IEC 11801 Ed. 2.0 (Class E)
- ICEA S-102-700 (Category 6)
- UL and c(UL) Type CMR (UL 1666) for Non-Plenum
- UL and c(UL) Type CMP (NFPA 262) for Plenum
- UL 444

### 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. 4P23B1CMR6 – Non-Plenum

Part No. 4P23B1CMP6 – 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	71.3	73.3	2.0	73.3	75.3	65.8	68.8	20.0	50.0	35.0
4	60.5	62.5	3.8	64.3	66.3	53.8	56.8	23.0	44.0	23.0
10	52.4	54.4	5.9	58.3	60.3	45.8	48.8	25.0	40.0	15.0
16	47.7	49.7	7.5	55.3	57.3	41.7	44.7	25.0	38.0	10.9
20	45.4	47.4	8.4	53.8	55.8	39.8	42.8	25.0	37.0	9.0
31.25	40.3	42.3	10.6	50.9	52.9	37.8	38.9	23.6	35.1	5.1
62.5	31.1	33.1	15.3	46.4	48.4	29.9	32.9	21.5	32.0	-
100	23.6	25.6	19.7	43.3	45.3	25.8	28.8	20.1	30.0	-
200	9.9	11.9	28.8	38.8	40.8	19.8	22.8	18.0	27.0	-
250	4.6	6.6	32.7	37.3	39.3	17.8	20.8	17.3	26.0	-
350	-	2.0	39.6	35.2	37.2	-	-	-	24.6	-
400	-	-	42.7	34.3	36.3	-	-	-	24.0	-
500	-	-	48.7	32.8	34.8	-	-	-	23.0	-

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