

# Cat-6 Plenum 23 AWG 4 Pair Communications Cable



**23 AWG Solid  
Bare Copper**

**300 Volts**

**Fluoropolymer  
Insulated**

**-10 °C to +75 °C**

**2' Sequential  
Footage Markers**

**Blue or White  
Plenum PVC Jacket**

**UL® 444, NFPA 262**

## APPLICATIONS

UL® Listed Type CMP Communications plenum cable. 1000' length in EZ-Pack Box. 1.2 Gbps, ISDN

## CONDUCTORS

2 Solid bare copper conductors twisted together with a varying left-hand lay (LHL).

## ASSEMBLY

4 twisted pairs cabled to a left-hand lay. Ripcord runs parallel under jacket.

## INSULATION

Fluoropolymer .039 in O.D.

## JACKET

0.018" nominal-wall blue or white plenum polyvinyl chloride (PVC); .215 in. OD  
Low Smoke  
Flame retardant

## INDUSTRY STANDARDS / CERTIFICATIONS

UL® 444, Communications Cable  
NFPA 262 Plenum Flame Test (UL910)  
UL Listed Type CMP  
ETL Verified to TIA-568-B.2-1 Category 6  
C (UL) CMP  
NEC Article 800  
EU RoHS Directive

## SURFACE PRINT

Sample: COMTRAN CORP. (01-12345) 23 AWG CMP C(UL)US  
ETL VERIFIED TO TIA 568-B.2-1 CATEGORY 6 (MM/YY) RoHS 000002 FT

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MADE IN USA

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## Cat-6 Plenum

### 23 AWG 4 Pair Communications Cable

CERRO FINISHED GOODS PART #	DESCRIPTION	PUT-UP	PACKAGE TYPE	SPOOLS/COILS PER MASTER CARTON	SHIPPING WEIGHT PER MASTER CARTON	UPC CODE
2703-0144K5	23G 4P CAT6 CMP PLEN WHI 1000FT	1000	Box	N/A	22.3	048243767052
2703-0124K5	23G 4P CAT6 CMP PLEN BLU 1000FT	1000	Box	N/A	22.3	048243767007

### Electrical Performance

FREQUENCY (MHz)	CHAR. IMPEDANCE (Ohms) (+/-15)	RETURN LOSS (min)	ATTENUATION (max)	PSNEXT (dB/100m) (min)	NEXT (dB/100m) (min)	ACRF (dB/100m) (min)	PSARCRF (dB/100m) (min)
1	100	20.0	2.0	72.3	74.3	67.8	64.8
4	100	23.0	3.8	63.3	65.3	55.7	52.7
8	100	24.5	5.3	58.8	60.8	49.7	46.7
10	100	25.0	6.0	57.3	59.3	47.8	44.8
16	100	25.0	7.6	54.8	56.3	43.7	40.7
20	100	25.0	8.5	52.8	54.8	41.7	38.7
25	100	24.3	9.5	51.3	53.3	39.8	36.8
31.25	100	23.6	10.7	49.9	51.9	37.9	34.9
62.5	100	21.5	15.4	45.4	47.4	31.8	28.8
100	100	20.1	19.8	42.3	44.3	27.8	24.8
125	100	19.4	22.4	40.9	42.9	25.8	22.8
155.52	100	18.8	25.2	39.4	41.4	23.9	20.9
175	100	18.4	26.9	38.7	40.7	22.9	19.9
200	100	18.0	29.0	37.8	39.8	21.7	18.7
250	100	17.3	32.8	36.3	38.3	19.8	16.8
ACR (min) @ 100 MHz = 24.1 dB/100m				Mutual Cap. = 14pF/ft.		Mutual Cap. = 7.1 Ω /100	
ACR (min) @ 200 MHz = 10.0 dB/100m				Operating Temperature: -10 °C to 75 °C			
Nominal Velocity of Propagation (NVP) = 72%				Propagation Delay Skew: 45 ns/100 m (max)			