EEI Coleman Cable Inc.

PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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PART NUMBER: 977964

DESCRIPTION: 23 AWG /4 Pair PLENUM CATEGORY 6 DATA CABLE

COMPLIANCE: > UL Listed Type CMP

C(UL) listed CMP FT6

ETL Verified to TIA/EIA 568B.2-1
 Meets or exceeds TIA/EIA 568B-B.2-1

APPLICATION: Utilizes a small round filler design providing a smaller diameter and greater flexibility for easier handling.

Construction Parameters:

 Conductor
 23 AWG Solid Bare Copper
 0.023

 Dielectric
 Solid FEP
 0.040

Assembly Each pair has different lay length for cross-talk prevention and ripcord added.

 Jacket
 PVC
 0.210

 * = Nominal value

Product Electrical Characteristics:

	Freq (MHZ)	Attn. (dB/100m) Max	Next Loss (dB) Min	PSNEXT Loss (dB) Min	ACR (Db@100m) Min	PSACR (dB@100m) Min	ELFEXT (dB@100m) Min	PS-ELFEXT (dB@100m) Min	Ret. Loss (dB)
Γ	1	2	74.3	72.3	72.3	70.3	67.8	64.8	20.0
Γ	10	6	59.3	57.3	53.3	51.3	47.8	44.8	25.0
Γ	16	7.6	56.2	54.2	48.6	46.6	43.7	40.7	25.0
	20	8.5	54.8	52.8	46.3	44.3	41.8	38.8	25.0
	31.25	10.7	51.9	49.9	41.2	39.2	37.9	34.9	23.6
	62.5	15.4	47.4	45.4	32.0	30.0	31.9	28.9	21.5
Γ	100	19.8	44.3	42.3	24.5	22.5	27.8	24.8	20.1
Г	200	29.0	39.8	37.8	10.8	8.8	21.8	18.8	18.0
Е	250	32.8	38.3	36.3	5.5	3.5	19.8	16.8	17.3
	350	40.0	36.2	34.2			16.9	13.9	16.3
	400	43.2	35.3	33.3			15.7	12.7	15.9

Mutual Capacitance (nf / 100m) Nominal	4.4
DC Resistance (Ohms / 100 m) Maximum	8.9
Delay Skew (ns / 100 m) Maximum	25
Velocity of Prop. (1%):	72
Input Impedance (Ohms @ 1-100 Mhz) (Ohms @ 100-500 Mhz)	100+/-15 100+/-32

Pair Colors: W/BL with BL, W/OR with O, W/GR with GR, W/BR with BR

Jacket Color: Standard colors are Blue and Gray

Legend (Ink Print) CAT 6 COLEMAN CABLE 977964 CAT 6 23 AWG 4P (UL) E118964-G TYPE CMP OR C(UL)

FT6 (UL) VERIFIED TO TIA/EIA-568-B.2-1 CAT 6 TESTED TO 600 MHZ CAT 6

(Also printed with sequential footage & date code)

Flame Rating: NFPA 262 Steiner Tunnel Smoke and Flame Test

CSA FT6 Horizontal Flame and Smoke Test

Applicable NEC Article: 800

Appicable NEMA Spec: WC-66 (Category 6)

Approx. Weight (Lb/1000 ft): 24

This product complies with European Directive 2002/95/EC (RoHS)

On special orders, the customer will accept all mil lengths and +/- 10 percent of total order requested.

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Customer Name
Customer Approval
Specification Issue Date: May 1, 2006

Packaging Options

Coleman Cable offers four types of packaging options.

- Signa-Coil
- Reel-in-box
- Pull-out box (Rabbit pull)
- Reels

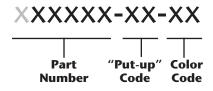
All provide fast and easy cable access. Kinks and twists are eliminated. You get tangle-free cable delivery each and every time. These durable, compact designs save on installation time while reducing waste and material costs. They can be easily stacked to save room.

* Not all options are available for each product





Coleman Cable Part Legend



Put-ups	Code
Reel, 250 ft	04
Reel, 500 ft	05
Reel, 1,000 ft	06
Reel-in-box, 1,000 ft	16
RabbitPull™ Pull-Box, 500 ft	45
RabbitPull™ Pull-Box, 1,000 ft	46
SignaCoil™ 500 ft	55
SignaCoil™ 1,000 ft	56

Colors	Code
White	01
Yellow	02
Orange	03
Red	04
Green	05
Blue	06
Brown	07
Black	08
Gray	09

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