



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	DIAMETER*
Dielectric	Solid FEP	0.023
Assembly	Each pair has different lay length for cross-talk prevention and ripcord added.	0.040
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)		
1	2	74.3	72.3	72.3	70.3	67.8	64.8	20.0	Mutual Capacitance (nf / 100m) Nominal	4.4
10	6	59.3	57.3	53.3	51.3	47.8	44.8	25.0	DC Resistance (Ohms / 100 m) Maximum	8.9
16	7.6	56.2	54.2	48.6	46.6	43.7	40.7	25.0	Delay Skew (ns / 100 m) Maximum	25
20	8.5	54.8	52.8	46.3	44.3	41.8	38.8	25.0	Velocity of Prop. (1%)	72
31.25	10.7	51.9	49.9	41.2	39.2	37.9	34.9	23.6	Input Impedance (Ohms @ 1-100 Mhz) (Ohms @ 100-500 Mhz)	100+/-15 100+/-32
62.5	15.4	47.4	45.4	32.0	30.0	31.9	28.9	21.5		
100	19.8	44.3	42.3	24.5	22.5	27.8	24.8	20.1		
200	29.0	39.8	37.8	10.8	8.8	21.8	18.8	18.0		
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		

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
Applicable 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		Code
White	01	Pink	11
Yellow	02	Purple	13
Orange	03	Clear	18
Red	04	Fluorescent	
Green	05	Pink	21
Blue	06	Ivory	22
Brown	07	Natural	23
Black	08	Beige	33
Gray	09	Red Striped	
		CorraClad™	44

