



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

1530 Shields Drive
 Waukegan, IL 60085
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PART NUMBER: 966956
DESCRIPTION: 24 AWG /4 Pair CMP CATEGORY 5e DATA CABLE
COMPLIANCE:

- ETL Listed Type CMP
- C(ETL) listed CMP FT6
- ETL Verified to TIA/EIA 568B.2-1
- Meets or exceeds TIA/EIA 568B-B.2-1

Construction Parameters:

Conductor	24 AWG Solid Bare Copper	<u>DIAMETER*</u>
Dielectric	Soild FEP	0.020
Assembly	Each pair has different lay length for cross-talk prevention and ripcord added.	0.036
Jacket	PVC	0.200

* = 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	PSELFEXT (dB@100m) Min	Ret. Loss (dB) Max	Specification	Value
1	2.0	65.3	62.5	63.3	60.3	63.8	60.8	20.0	Mutual Capacitance: (nF / 100m) Nominal	4.4
10	6.5	50.3	47.3	43.8	40.8	43.8	40.8	25.0	DC Resistance: (Ohms / 100m @ 20°C) Max	8.9
16	8.2	47.3	44.3	39.1	36.1	39.7	36.7	25.0	Delay Skew: (ns / 100m) Max	45
20	9.3	45.8	42.8	36.5	33.5	37.7	34.7	25.0	Velocity of Propogation: Non-Plenum (%)	70
31.25	11.7	42.9	39.9	31.2	28.2	33.9	30.9	23.6	Plenum (%)	72
62.5	17.0	38.4	35.4	21.4	18.4	27.8	24.8	21.5	Input Impedance: (Ohms @ 1-100 MHz)	100 +/- 15
100	22.0	35.3	32.3	13.3	10.3	23.8	20.8	20.1		

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) COLEMAN CABLE 966956 (UL FILE NUMBER) * CATEGORY 5E 24 AWG TYPE CMP (UL) C(UL) --- FT6
 - VERIFIED TO CATEGORY 5E --- TESTED TO 350 MHZ - PAT 5767441
(Also printed with sequential footage & date code)

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: December 6, 2008

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

XXXXXX-XX-XX



Put-ups

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

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

