



# ELLIOTT ELECTRIC SUPPLY

We Deliver...Lower Cost, Quality Products, & Personal Service

3804 South Street  
75964-7263, TX Nacogdoches  
Phone: 936-569-7941  
Fax: 936-560-4685



## 9669561606 CAT5E 24/4 Plenum Blue

*Coleman Cable*

Catalog Number	9669561606
Manufacturer	Coleman Cable
Description	Twisted Pair, Plenum; Category 5; Operating Frequency 100 MHZ; Attenuation 22 DB/100 M; DC Resistance 9.38 Ohm/100 M; 330 Picofarad/100 M Capacitance; Conductor Material Bare Copper; 24 Awg Conductor; Cable Outer Diameter 0.18 Inch; 4 Conductor Pair(S)
Weight per unit	0.0200 (lbs/ft)
Product Category	Pair Cable -Plenum Utp Cable

### Features

Attenuation	4.3 dB/100 M at 155 MHz
Cable Outer diameter	0.18 INCH
Capacitance	5.6 Nanofarad/100 M
Category	5E
Conductor Size	24 AWG Solid
DC Resistance	9.38 OHM/100 M
Insulation Thickness	0.035 Inch
Jacket Rating	CMR, CMP, FT6
Number of Conductor Pairs	4 IN
Operating Frequency	100 MHZ

### Material, Color, and Finish

Conductor Material	SOLID BARE COPPER
Insulation Color Code	White/Blue with Blue, White/Orange with Orange, White/Green with Green, White/Brown with Brown
Insulation Material	FLUORINATED ETHYLENE PROPYLENE
Jacket Color	GRAY/BLUE
Jacket Material	LOW SMOKE

### Dimensions and Weight

Length	1000 FT
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## Descriptions

Additional Information	ROHS Compliant; Applicable Standard ANSI/TIA/EIA-568B.2; Jacket Thickness 0.185 Inch; Application Gigabit Ethernet, ATM, Broad Band Video, Bi-Directional Transmission
Commodity Description	VDV Twisted-Pair Cable -Plenum Unshielded Twisted-Pair Cable
Description	CAT5E 24/4 PLENUM BLUE
Long Description	TWISTED PAIR, PLENUM; CATEGORY 5; OPERATING FREQUENCY 100 MHZ; ATTENUATION 22 DB/100 M; DC RESISTANCE 9.38 OHM/100 M; 330 PICO FARAD/100 M CAPACITANCE; CONDUCTOR MATERIAL BARE COPPER; 24 AWG CONDUCTOR; CABLE OUTER DIAMETER 0.18 INCH; 4 CONDUCTOR PAIR(S)
Product Type	Twisted Pair Cable

## Manufacturer Information

Brand	Cables & Cords
GTIN	00029892966959
Manufacturers Part Number	9669561606
Model	966956
UPC	029892966959

## Taxonomies, Classifications, and Categories

Category Description	ELECTRONIC CABLE
Type	PLENUM

## Packaging

Carton	1000
Standard Package	Reel in Box
Weight Per foot	0.02

## Uses, Certifications, and Standards

Approval	UL 910, UL 1666, CUL
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# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

1530 Shields Drive  
 Waukegan, IL 60085  
 Toll-Free (800) 323-9355  
 Fax: (847) 689-1192

**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.

The information presented here is, to the best of our knowledge, true and accurate. Since conditions of use are beyond Coleman Cable's control, all product data presented is for informational purposes only and does not create a binding obligation or liability on Coleman Cable or confer any rights on any customer. The sale of product(s) is conditioned upon acceptance of a purchase order subject to Coleman Cable's standard terms and conditions contained therein, including without limitation Coleman Cable's standard warranty. Coleman Cable disclaims all liability in connection with the use of information contained herein or otherwise.

This specification is proprietary intellectual property of Coleman Cable. Any information contained herein shall not be disclosed to any party without written consent of Coleman Cable.

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

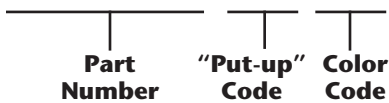
All provide fast and easy cable access. Kinks and twists are eliminated. You get tangle-free cable delivery each and every time. These durable, compact designs save on installation time while reducing waste and material costs. They can be easily stacked to save room.

\* 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

