



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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**PART NUMBER:** 966956  
**DESCRIPTION:** 24 AWG /4 Pair Category 5e CMP  
**COMPLIANCE:**

- ETL Listed Type CMP
- C(ETL) listed CMP FT6
- ETL Verified to ANSI/TIA 568-C.2
- Tested to 350 MHz

## Construction Parameters:

Conductor	24 AWG Solid Bare Copper	<u>DIAMETER*</u>
Dielectric	Solid FEP	0.020"
Assembly	Each pair has different lay length for cross-talk prevention and ripcord added.	0.035"
Jacket	PVC	0.185"

\* = Nominal value

## Product Electrical Characteristics:

Max Capacitance (nF/100m @ 1 kHz)	Max DC Resistance (Ω/100m @ 20°C)	Max Delay Skew (ns/100m)	Nom Velocity of Propagation (%)	Characteristic Impedance (Ω @ 1-100 MHz)
5.6	9.38	45	68	100 +/- 15

Freq (MHz)	Max Insertion Loss (dB/100m)	Min NEXT Loss (dB)	Min PSNEXT Loss (dB)	Min ACR (dB/100m)	Min PSACR (dB/100m)	Min ACRF (dB/100m)	Min PSACRF (dB/100m)	Min Return Loss (dB)
1	2.0	65.3	62.3	63.3	60.3	63.8	60.8	20
10	6.5	50.3	47.3	43.8	40.8	43.8	40.8	25
16	8.2	47.3	44.3	39.1	36.1	39.7	36.7	25
20	9.3	45.8	42.8	36.5	33.5	37.7	34.7	25
31.25	11.7	42.9	39.9	31.2	28.2	33.9	30.9	23.6
62.5	17.0	38.4	35.4	21.4	18.4	27.8	24.8	21.5
100	22.0	35.3	32.3	13.3	10.3	23.8	20.8	20.1
155	28.1	32.4	29.4	4.3	1.3	20.0	17.0	18.8
200	32.4	30.8	27.8	-	-	17.8	14.8	18.0
250	36.9	29.3	26.3	-	-	15.8	12.8	17.3
350	44.9	27.1	24.1	-	-	12.9	9.9	16.3

\* Note that values above 100 MHz are not guaranteed and are for engineering reference only.

Pair Colors: W/BL with BL, W/OR with O, W/GR with GR, W/BR with BR  
 Jacket Color: Standard colors are White, Yellow, Orange, Green, Blue, Gray and Black

Legend (Ink Print) CAT5E COLEMAN CABLE 966956 CAT5E 24 AWG 4PR UTP C(ETL)US LISTED (ETL CODE) TYPE CMP FT6 TESTED TO 350 MHZ ETL VERIFIED TO ANSI/TIA-568-C.2 CAT 5E

(Also printed with sequential footage & date code)

This product complies with European Directive 2011/65/EU (RoHS-2)  
 On special orders, the customer will accept all mil lengths and +/- 10 percent of total order requested.

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