



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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

PART NUMBER: 96963
DESCRIPTION: Dual 24 AWG /4 Pair Category 5e CMR
COMPLIANCE:

- ETL Listed Type CMR
- C(ETL) listed CMR FT4
- ETL Verified to TIA/EIA 568-C.2
- Tested to 350 MHz

Construction Parameters:

Conductor	24 AWG Solid Bare Copper	<u>DIAMETER*</u> 0.020"
Dielectric	Solid PE	0.036"
Assembly	Each pair has different lay length for cross-talk prevention and ripcord added.	
Jacket	PVC	0.185" x 0.370" * = 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 color is Blue

Legend (Ink Print) CAT5E COLEMAN CABLE 96963 CAT5E 24 AWG 4PR UTP C(ETL)US LISTED (ETL CODE) TYPE CMR
 SUN RES -- TYPE CMR FT-4 TESTED TO 350 MHZ ETL VERIFIED TO TIA/EIA-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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