

24 AWG /4 Pair CAT5e CMR Cable

60°C, 300V 350MHz RISER RATED; 4 UNSHIELDED TWISTED PAIRS

CONSTRUCTION:

1. **Conductors:** 24 AWG SOLID BARE COPPER
2. **Insulation:** HDPE BLUE & WHITE/BLUE STRIPE; ORANGE & WHITE/ORANGE STRIPE; GREEN & WHITE/GREEN STRIPE; BROWN & WHITE/BROWN STRIPE
3. **Assembly:** 4 PAIRS INDIVIDUALLY TWISTED, CABLED; UNSHIELDED; AND JACKETED
4. **Jacket:** PVC, Color : Available in different color consult with Mfr

APPLICATIONS AND FEATURES:

Southwire Cat 5e unshielded twisted pair cable is a high performance data communication cable. This ethernet cable is designed for indoor and plenum network installations type CMR (Riser rated communication cable), may be used in Ethernet Networking system, PoE applications, Video MPEG4 / M-JPEG / Digital / Analog / Baseband / Broadband and other Multimedia Voice applications.

SPECIFICATIONS:

- Meets or exceeds TIA/EIA 568-C.2
- UL 444 CMR / NEC ARTICLE 800
- UL 16666 / CSA FT4
- Directive (EU) 2015/863 – RoHS 3

SAMPLE PRINT LEGEND:

SOUTHWIRE® SIGNAL® 96263 24 AWG 4PR UTP CAT5E C(ETL)US LISTED 3023211 TYPE CMR SUN RES -- TYPE CMR FT-4 TESTED TO 350 MHZ ETL VERIFIED TO TIA/EIA-568-B.2 CAT 5E -- XX/XX/XX (MONTH/DAY/YEAR) HH:MM (HOUR/MINUTE) SEQUENTIAL FOOTAGE

PACKAGING

Standard lengths 1000 FT. Consult factory for other jacket colors and packaging options.

TABLE 1 - Product Electrical Characteristics

Stock Code	Max Capacitance (nF/100m @ 1 kHz) (AWG)	Max DC Resistance (Ω/100m @ 68°F)	Max Delay Skew (ns/100m)	Nom Velocity of Propagation (%)	Characteristic Impedance (Ω @ 1-100 MHz)	Nominal OD (Inchs)	Nominal OD (mm)	Nominal Weight (Lbs/Mft)	Nominal Weight (kg/km)
96263	5.6	9.38	45.0	68.0	100 +/- 15%	0.185	4.699	22.0	32.7

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

All dimensions are nominal and subject to nominal manufacturing tolerances. The customer will accept all factory 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 Southwire's control all product data presented is for informational purposes only and does not create a binding obligation or liability on Southwire or confer any rights on any customer. The sale of products(s) is conditioned upon acceptance of a purchase order subject to Southwire's standard terms and conditions contained therein, including without limitation Southwire's standard warranty. Southwire disclaims all liability in connection with the use of information contained herein or otherwise.



Southwire Company, LLC. | One Southwire Drive, Carrollton, GA 30119 | www.southwire.com

©2021 Southwire Company, LLC. All Rights Reserved.

