

24 AWG /4 Pair CAT5e CMR Cable

75°C, 300V 350MHz RISER RATED UNSHIELDED

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:

- ANSI/TIA 568 C.2 test to 350MHz
- UL 444 CMR by (UL)
- UL 1666 Riser Flame Test
- Directive (EU) 2015/863 – RoHS 3

SAMPLE PRINT LEGEND:

CAT 5E SOUTHWIRE® SIGNAL ® 96263 CAT 5E 24AWG 4PR UTP C(UL)US LISTED E158012 A TYPE CMR 75C SUN RES TYPE CMR FT4 TESTED to 350MHZ ETL VERIFIED to TIA / EIA 568.C.2 CAT5E YYMMDD 0000FT

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)	Dielectric Ins OD (Inchs)	Dielectric Ins OD (mm)	Nominal OD (Inchs)	Nominal OD (mm)
96263	5.6	9.38	45.0	68.0	100 +/- 15%	0.039	0.991	0.193	4.902

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.

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