

24 AWG /4 Pair CAT5e CMR Cable

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

CONSTRUCTION:

1. Conductors: 24 AWG SOLID BARE COPPER
2. Insulation: Solid PE BLUE & WHITE/BLUE STRIPE; ORANGE & WHITE/ORANGE STRIPE; GREEN & WHITE/GREEN STRIPE; BROWN & WHITE/BROWN STRIPE
3. Assembly: 4 PAIRS INDIVIDUALLY TWISTED, CABLED; SHIELDED; AND JACKETED
4. Jacket: PVC

APPLICATIONS AND FEATURES:

Southwire Cat 5e shielded 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:

- ETL Listed Type CMR
- ETL Verified to TIA/EIA 568-C.2
- C(ETL) listed CMR FT4
- Directive (EU) 2015/863 – RoHS 3

SAMPLE PRINT LEGEND:

SOUTHWIRE 24 AWG 4PR CATEGORY 5E F/UTP C(ETL)US LISTED (ETL CODE) TYPE CMR SUN RES -- ETL VERIFIED TO TIA/EIA-568-C.2 CAT 5E

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)
96273	5.6	9.38	45.0	68.0	100 +/- 15%	0.039	0.991	0.244	6.198

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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