

# 24 AWG /4 Pair CAT5e CMP Cable

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

**CONSTRUCTION:**

1. **Conductors:** 24 AWG SOLID BARE COPPER
2. **Insulation:** FEP 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:** LS-PVC, Color : White

**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 CMP (Plenum 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
- NEC ARTICLE 800
- UL 444 CMP
- NFPA 262 ( UL 910) / CSA FT6
- Directive (EU) 2015/863 – RoHS 3

**SAMPLE PRINT LEGEND:**

SOUTHWIRE® SIGNAL® 966956 CAT5E 24 AWG 4PR UTP E118871 C(UL)US TYPE CMP FT6 TESTED TO 350 MHZ ETL VERIFIED TO ANSI/TIA-568-C.2 CAT5E SEQ FTG XX/XX/XX(MONTH/DAY/YEAR) HH:MM(HOUR/MINUTE)

**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 (Inches)	Nominal OD (mm)	Nominal Weight (Lbs/Mft)	Nominal Weight (kg/km)
966956	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.

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