

24 AWG /4 Pair CAT5e Cable

60°C, 300V DIRECT BURIAL ; 4 UNSHIELDED TWISTED PAIRS

CONSTRUCTION:

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

APPLICATIONS AND FEATURES:

Southwire Cat 5e unshielded twisted pair cable is a high performance data communication cable. This cable is designed for outdoor direct burial network installations. Used in ethernet networking system, broadband and other multimedia voice applications.

SPECIFICATIONS:

- Meets or exceeds TIA/EIA 568-C.2
- DIR BUR
- RoHS-2 (European Directive 2011/65/EU)

SAMPLE PRINT LEGEND:

SOUTHWIRE 96294 CAT 5E 24/4PR DIRECT BURIAL – Z/YY (XXXX) - NNNNNN

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)
96294	5.6	9.38	45.0	68.0	100 +/- 15%	0.220	5.588	30.0	44.6

Freq (MHz)	Max Insertion Loss (dB/100m)	Min NEXT Loss (dB)	Min PSNEXT Loss (dB)	Min ACR (dB/100m)	Min PSACR (dB/100m)	Min ELFEXT (dB/100m)	Min PSELFEXT (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

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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