Category 5E Outdoor

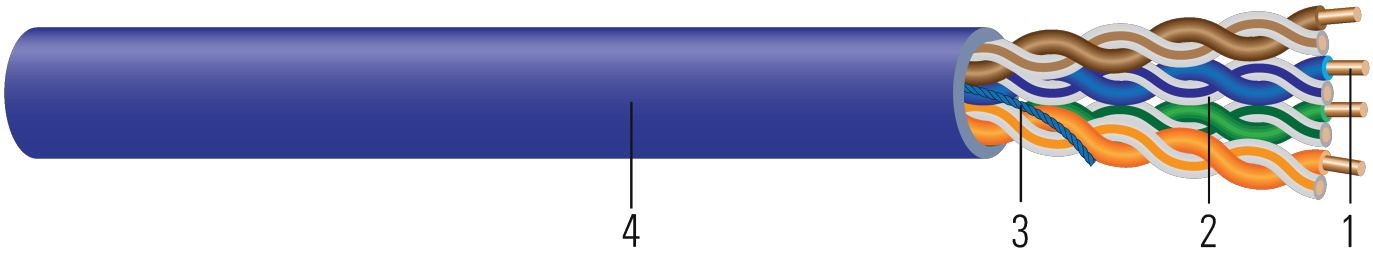


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Bare solid copper
2. **Insulation:** Polyethylene
3. **Rip Cord:** Rip cord for ease of jacket removal
4. **Jacket:** High Density Polyethylene with water blocking agent.

APPLICATIONS AND FEATURES:

Southwire Cat 5e unshielded twisted pair cable is a high performance data communication cable. This ethernet cable is designed for outdoor network direct burial installations. It may be used in Ethernet Networking system, Video MPEG4 / M-JPEG / Digital / Analog / Baseband / Broadband and other Multimedia Voice applications.

- DC Resistance: <9.38 ohm/100m
- DC Resistance Unbalance: <5.00%
- Mutual Capacitance: <5.50 nF/100m
- Capacitance Unbalance (Pair to Ground): <330 pF/100m
- Insulation Resistance: >100 MOhm-100m
- Dielectric Strength: 2.5 DCkV/sec
- Impedance (mean): >100+/- 15% (1 < freq < 350MHz)
- Propagation 011 Delay: <534 ns/100m
- Propagation 011 Delay Skew: <45 ns/100m

SPECIFICATIONS:

- UL 444 Listed CMX
- UL 1581 Standard for Electrical Wires, Cables, and Flexible Cords
- IEEE 802.3 and IEC 61156-5 Ed. 2.0
- TIA/EIA 568.D.2 test to 350MHz , beyond 100MHz only for reference
- NEC Article 800

SAMPLE PRINT LEGEND:

24 AWG 4PR UTP CAT 5E E118871-LBI C(UL)US LISTED CMX OUTDOOR -- CMR 75C -- FT4 -- TESTED TO 350MHZ TIA/EIA-568.D.2 CAT 5E YYMMDD 0000FT

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Table 1 – Weights and Measurements

Stock Number	Cond. Size	Number of Pairs	Jacket Thickness	Approx. OD	Approx. Weight
	AWG/Kcmil	pair	mil	inch	lb/1000ft
569176	24	4	28	0.217	30

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item
TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

Table 2 – Weights and Measurements (Metric)

Stock Number	Cond. Size	Number of Pairs	Jacket Thickness	Approx. OD	Approx. Weight
	AWG/Kcmil	pair	mm	mm	lb/km
569176	24	4	0.71	5.51	45

Electrical Performance

Freq. (MHz)	Attenuation (dB/100m)Max	NEXT (dB/100m) Min	PSNEXT (dB/100m)Min	ELFEXT (dB/100m)Min	PSELFEXT (dB/100m)Min	RL (dB/100m) Min	P.Delay (ns/100m)Max
1	2	65.3	62.3	63.8	60.8	20	570
4	4.1	56.3	53.3	51.8	48.8	23	552
8	5.8	51.8	48.8	45.7	42.7	24.5	547
10	6.5	50.3	47.3	43.8	40.8	25	545
16	8.2	47.2	44.2	39.7	36.7	25	543
20	9.3	45.8	42.8	37.8	34.8	25	542
25	10.4	44.3	41.3	35.8	32.8	24.3	541
31.25	11.7	42.9	39.9	33.9	30.9	23.6	540
62.5	17	38.4	35.4	27.9	24.9	21.5	539
100	22	35.3	32.3	23.8	20.8	20.1	538

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