Southwire®

-GENESIS-

Limited-Energy Cable

Category 5e Cable

SHIELDED RISER

300V (max) Operating Voltage

-20°C 75°C Operating Temperature

Sunlight Resistant

RoHS Compliant

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APPLICATIONS

Genesis Category 5e Cable offers the ideal choice for basic voice and data networks in residential and light commercial buildings. The shielded design minimizes external interference and protects data transmission in noisy environments.

- Installed in a metal raceway that complies with 300.22(B)
- Supported by solid bottom metal cable trays with solid metal covers
- In risers
- Within buildings in other than air-handling spaces and risers
- Exposed to sunlight

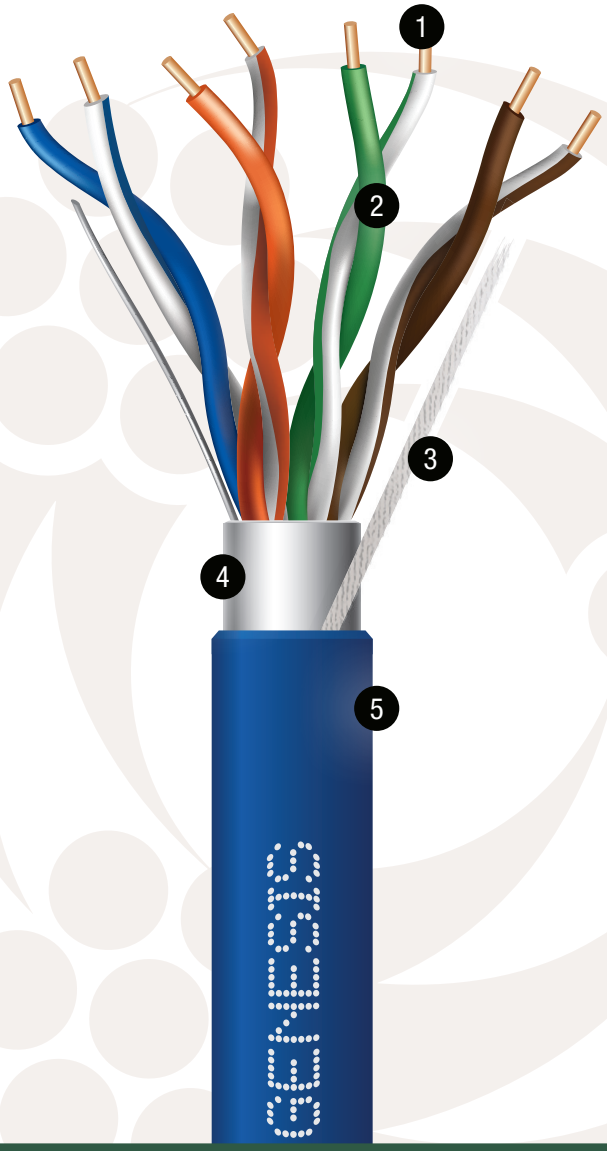
SPECIFICATIONS

Genesis Category 5e Cable meets or exceeds the following specifications:

- UL 1666 – Riser Rated
- CSA C22.2 No. 2556 – FT4 Rated
- UL 444 – Communication Cables, Type CMR
- TIA-568.2-D Category 5e

CONSTRUCTION

1. **Conductor:** Bare Copper conductors for excellent signal transmission and low voltage drop
2. **Insulation:** Polypropylene or Polyethylene
3. **Rip Cord:** Durable rip cord for efficient jacket stripping and removal
4. **Shield:** Foil shield over all conductors
5. **Jacket:** PVC, Countdown® Length Markings for easy tracking of usage and remaining cable



CONDUCTOR COLORS BY NUMBER OF PAIRS	
Pair 1: Blue & Blue/White	Pair 2: Orange & Orange/White
Pair 3: Green & Green/White	Pair 4: Brown & Brown/White

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WE DELIVER POWER... RESPONSIBLY.®

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CATEGORY 5E CABLE, SHIELDED RISER

AWG	NUMBER OF PAIRS	SOLID / STRANDED	CENTER SPLINE	SHIELDED / UNSHIELDED	NOMINAL O.D. (in.)	PRODUCT NUMBER
24	4	Solid	No	Overall Foil Shield	0.250	5178

UL VERIFIED TO TIA-568.2-D CAT 5E. SWEEP TESTED TO 350 MHZ

FREQUENCY (MHz)	INSERTION LOSS MAXIMUM (dB/100m.)	NEXT MINIMUM (dB/100m.)	PSNEXT MINIMUM (dB/100m.)	RETURN LOSS MINIMUM (dB/100m.)
1	2.0	65.3	62.3	20.0
4	4.1	56.3	53.3	23.0
8	5.8	51.8	48.8	24.5
10	6.5	50.3	47.3	25.0
16	8.2	47.2	44.2	25.0
20	9.3	45.8	42.8	25.0
25	10.4	44.3	41.3	24.3
31.25	11.7	42.9	39.9	23.6
62.5	17.0	38.4	35.4	21.5
100	22.0	35.3	32.3	20.1
155	28.1	32.4	29.4	18.8
200	32.4	30.8	27.8	18.0
250	36.9	29.3	26.3	17.3
300	41.0	28.1	25.1	16.8
350	44.9	27.1	24.1	16.3

SAMPLE PRINT LEGEND

GENESIS P/N 5178 SHIELDED 4PR24 CAT 5E E118871 (UL) CMR C(UL)US FT4 SUN RES 75C (RoHS)
UL VERIFIED TO TIA-568.2-D CAT 5E XXXXXXXX YYYYFT RM# A B C D E F 1 2 3 4 5 6 7 8 9

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