Southwire®

# -GENESIS-

Limited-Energy Cable

# Category 5e Cable

## SHIELDED PLENUM

300V (max) Operating Voltage

-20°C 75°C Operating Temperature

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.

- In fabricated ducts as described in NEC 300.22(B)
- In other spaces used for environmental air as described in NEC 300.22(C)
- In risers
- Within buildings in other than air-handling spaces and risers

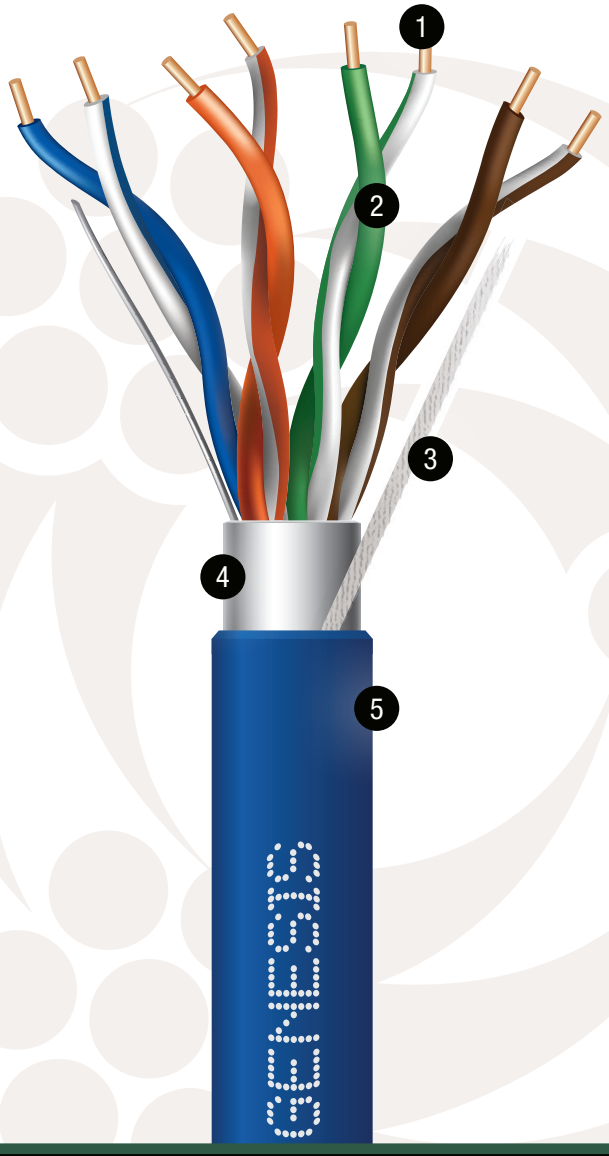
## SPECIFICATIONS

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

- NFPA 262 – Plenum Rated
- CSA C22.2 No. 2556 – FT6 Rated
- UL 444 – Communication Cables, Type CMP
- TIA-568.2-D Category 5e

## CONSTRUCTION

1. **Conductor:** Bare Copper conductors for excellent signal transmission and low voltage drop
2. **Insulation:** FEP
3. **Rip Cord:** Durable rip cord for efficient jacket stripping and removal
4. **Shield:** Foil shield over all conductors
5. **Jacket:** Plenum 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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## CATEGORY 5E SHIELDED CABLE, PLENUM

| AWG | NUMBER OF PAIRS | SOLID / STRANDED | CENTER SPLINE | SHIELDED / UNSHIELDED | NOMINAL O.D. (in.) | PRODUCT NUMBER |
|---|---|---|---|---|---|---|
| 24 | 4 | Solid | No | Overall Foil Shield | 0.230 | 5388 |

## 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 5388 SHIELDED 4PR24 CAT 5E E118871 (UL) CMP C(UL)US FT6 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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