Southwire®

-GENESIS-

Limited-Energy Cable

Category 6+ Cable

RISER

300V (max)
Operating Voltage

-20°C 75°C
Operating Temperature

Sunlight Resistant

RoHS Compliant

c UL us LISTED
cULus Listed

APPLICATIONS

Genesis Category 6+ Cable features thicker conductors to more efficiently handle data and power for more complex voice and data networks, high-bandwidth PoE IP video surveillance, and more.

- 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

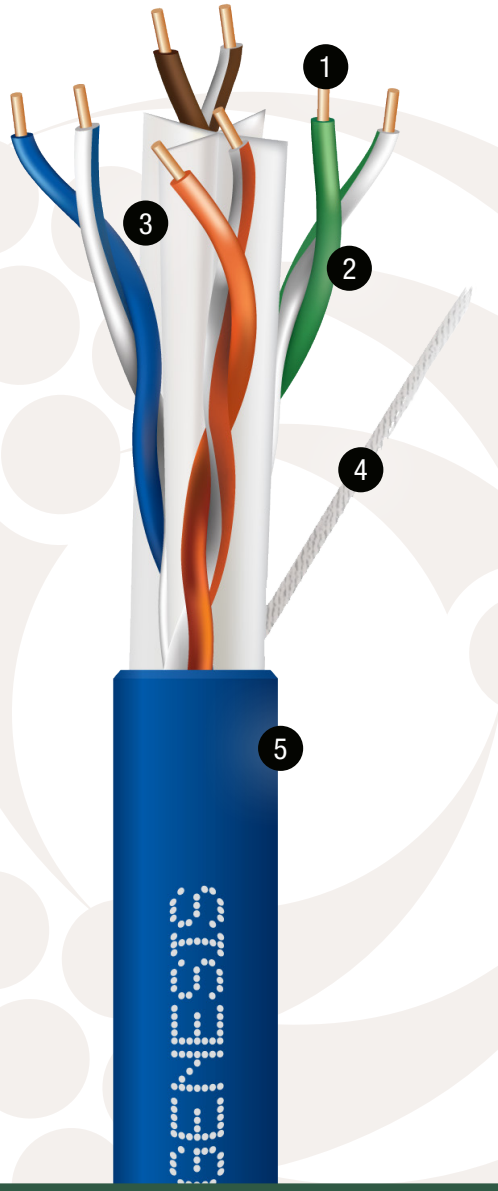
SPECIFICATIONS

Genesis Category 6+ 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 6

CONSTRUCTION

1. **Conductor:** Bare Copper conductors for excellent signal transmission and low voltage drop
2. **Insulation:** Polypropylene or Polyethylene
3. **Spline Separator:** Reduces crosstalk for improved performance
4. **Rip Cord:** Durable rip cord for efficient jacket stripping and removal
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

Southwire Company, LLC. • One Southwire Drive • Carrollton, GA 30119
©2025 Southwire Company, LLC. All Rights Reserved.
®Registered Trademark & ™Trademark of Southwire Company, LLC.

WE DELIVER POWER... RESPONSIBLY.®

Southwire®

-GENESIS-

Limited-Energy Cable

CATEGORY 6+ CABLE, RISER

AWG	NUMBER OF PAIRS	SOLID / STRANDED	CENTER SPLINE	SHIELDED / UNSHIELDED	NOMINAL O.D. (in.)	PRODUCT NUMBER
23	4	Solid	Yes	Unshielded	0.205	5092

ETL VERIFIED TO TIA-568.2-D CAT 6. SWEEP TESTED TO 600 MHZ

FREQUENCY (MHz)	INSERTION LOSS MAXIMUM (dB/100m.)	NEXT MINIMUM (dB/100m.)	PSNEXT MINIMUM (dB/100m.)	RETURN LOSS MINIMUM (dB/100m.)
1	2.0	74.3	72.3	20.0
4	3.8	65.3	63.3	23.0
8	5.3	60.8	58.8	24.5
10	6.0	59.3	57.3	25.0
16	7.6	56.2	54.2	25.0
20	8.5	54.8	52.8	25.0
25	9.5	53.3	51.3	24.3
31.25	10.7	51.9	49.9	23.6
62.5	15.4	47.4	45.4	21.5
100	19.8	44.3	42.3	20.1
155	25.2	41.4	39.4	18.8
200	29.0	39.8	37.8	18.0
250	32.8	38.3	36.3	17.3
300	36.4	37.1	35.1	16.8
350	39.8	36.1	34.1	16.3
400	43.0	35.3	33.3	15.9
500	48.9	33.8	31.8	15.2
550	51.8	33.2	31.2	14.9
600	54.5	32.6	30.6	14.7

SAMPLE PRINT LEGEND

GENESIS P/N 5092 4PR23 CAT 6 PLUS E118871 (UL) CMR C(UL)US FT4 SUN RES 75C (RoHS)
ETL VERIFIED TO TIA-568.2-D CAT 6 XXXXXXXX YYYY FT RM# A B C D E F 1 2 3 4 5 6 7 8 9

Southwire Company, LLC. • One Southwire Drive • Carrollton, GA 30119
©2025 Southwire Company, LLC. All Rights Reserved.
®Registered Trademark & ™Trademark of Southwire Company, LLC.

WE DELIVER POWER... RESPONSIBLY.®