Southwire®

-GENESIS-

Limited-Energy Cable

Category 6+ Cable

SHIELDED PLENUM

300V (max)
Operating Voltage

-20°C 75°C
Operating Temperature

RoHS COMPLIANT
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. 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

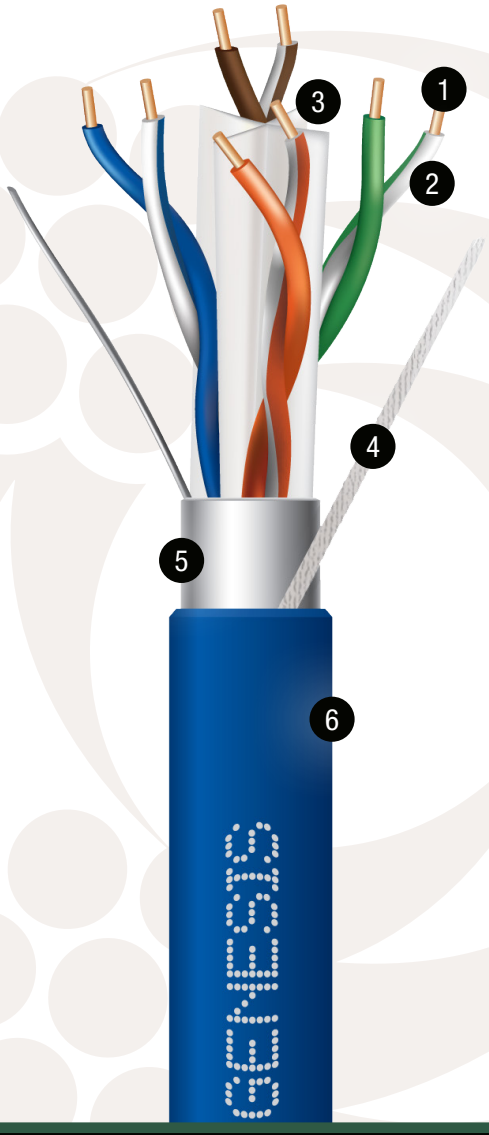
SPECIFICATIONS

Genesis Category 6+ 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 6

CONSTRUCTION

1. **Conductor:** Bare Copper conductors for excellent signal transmission and low voltage drop
2. **Insulation:** FEP
3. **Spline Separator:** Reduces crosstalk for improved performance
4. **Rip Cord:** Durable rip cord for efficient jacket stripping and removal
5. **Shield:** Foil shield over all conductors
6. **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

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+ SHIELDED CABLE, PLENUM

AWG	NUMBER OF PAIRS	SOLID / STRANDED	CENTER SPLINE	SHIELDED / UNSHIELDED	NOMINAL O.D. (in.)	PRODUCT NUMBER
23	4	Solid	Yes	Overall Foil Shield	0.320	5392

UL 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 5392 SHIELDED 4PR23 CAT 6 PLUS E118871 (UL) CMP C(UL)US FT6 75C (RoHS)
UL VERIFIED TO TIA-568.2-D CAT 6 XXXXXXXX YYYYFT RM# A B C D E F 1 2 3 4 5 6 7 8 9

©2025 Southwire Company, LLC. All Rights Reserved.
®Registered Trademark & ™Trademark of Southwire Company, LLC.

WE DELIVER POWER... RESPONSIBLY.®