

-GENESIS-

Limited-Energy Cable

Category 6 Cable

PLENUM


300V (max)
Operating
Voltage


-20°C — 75°C
Operating
Temperature


RoHS
Compliant


LISTED
cULus
Listed

APPLICATIONS

Genesis Category 6 Cable offers the ideal choice for high-performance voice and data networks in residential and commercial buildings.

- 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:

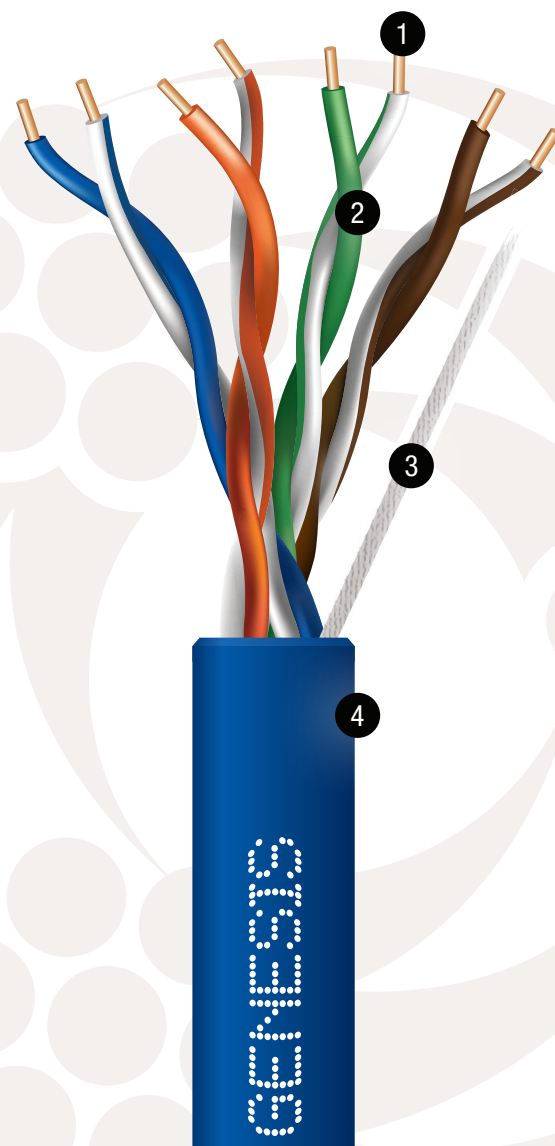
- NFPA 262 – Plenum Rated
- CSA C22.2 No. 2556 – FT6 Rated
- UL 444 – Communication Cables, Type CMP-LP (0.6A)
- TIA-568.2-D Category 6

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. **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 6 CABLE, PLENUM

AWG	NUMBER OF PAIRS	SOLID / STRANDED	CENTER SPLINE	SHIELDED / UNSHIELDED	NOMINAL O.D. (in.)	PRODUCT NUMBER
23	4	Solid	No	Unshielded	0.205	6361

ETL VERIFIED TO TIA-568.2-D CAT 6. SWEEP TESTED TO 400 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

SAMPLE PRINT LEGEND

GENESIS P/N 6361 4PR23 CAT 6 E118871 (UL) CMP-LP (0.6A) 105C C(UL)US FT6 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