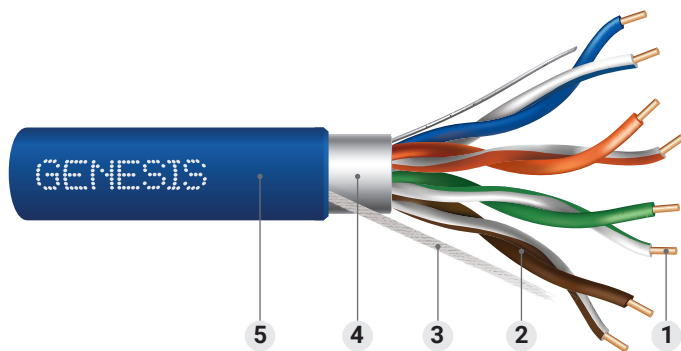


Category 5e Shielded Cable Plenum

-GENESIS-

Genesis Category 5e Cables offer 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.



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





Applications

- 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

- NFPA 262 – Plenum Rated
- CSA C22.2 No. 2556 – FT6 Rated
- UL 444 - Communication Cables, Type CMP
- REACH/RoHS Compliant
- TIA-568.2-D Category 5e
- Rated for 300 Volts
- Rated for -20°C to 75°C

Conductor Color Codes: Category Cable

Pair Number	Color
1	Blue/Blue+White 
2	Orange/Orange+White 
3	Green/Green+White 
4	Brown/Brown+White 

Sample Print Legend

GENESIS P/N 5388 SHIELDED 4PR24 CAT 5E E175104-1 (UL) CMP C(UL)US FT6 75C (RoHS)
UL VERIFIED TO TIA-568.2-D CAT 5E XXXXXXXX YYYYYY FT RM# A B C D E F 1 2 3 4 5 6 7 8 9

Category 5e Shielded Cable, Plenum

Part Number	Conductor Size (AWG)	Number of Conductors	Stranding	Nominal Diameter (in)	DC Resistance (Ohms/100m at 20°C)	Capacitance (nF/100m)
5388	24	8 (4 pairs)	Solid	0.230	9.38	5.6

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

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