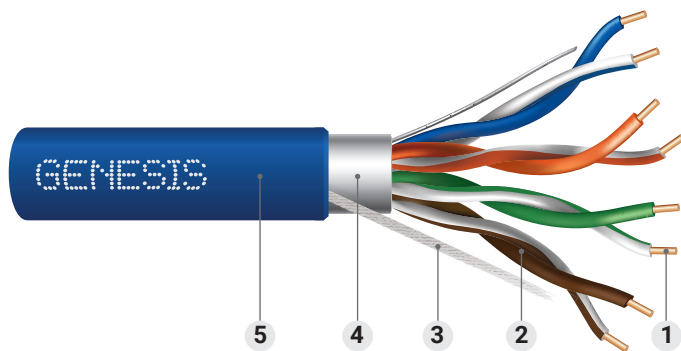


Category 5e Shielded Cable Riser

-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:** Polypropylene or Polyethylene
- 3. Rip Cord:** Durable rip cord for efficient jacket stripping and removal
- 4. Shield:** Foil shield over all conductors
- 5. Jacket:** PVC
Countdown® Length Markings for easy tracking of usage and remaining cable

Applications

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

UL 1666 – Riser Rated

CSA C22.2 No. 2556 – FT4 Rated

UL 444 – Communication Cables, Type CMR

Sunlight Resistant Rated





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 5178 SHIELDED 4PR24 CAT 5E E175104-1 (UL) CMR C(UL)US FT4 SUN RES 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, Riser

Part Number	Conductor Size (AWG)	Number of Conductors	Stranding	Nominal Diameter (in)	DC Resistance (Ohms/100m at 20°C)	Capacitance (nF/100m)
5178	24	8 (4 pairs)	Solid	0.250	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

Genesis Cable
 7701 95th Street
 Pleasant Prairie, WI 53158
 Office: 800.222.0060
 www.genescable.com



-GENESIS-