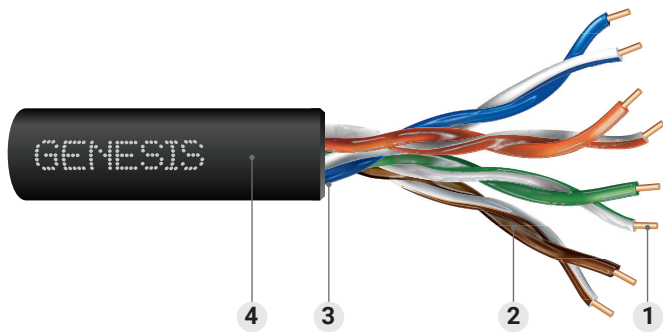


# Category 5e Cable

## Direct Burial

# -GENESIS-

Genesis Category 5e Cables offer the ideal choice for basic voice and data networks in residential and light commercial buildings. This direct burial rated and water-blocked cable safeguards devices from moisture damage and corrosion to ensure uninterrupted performance and longevity.



### Construction

1. **Conductor:** Bare Copper conductors for excellent signal transmission and low voltage drop
2. **Insulation:** Polyolefin
3. **Water Blocking:** Gel
4. **Jacket:** Polypropylene  
Countdown® Length Markings for easy tracking of usage and remaining cable

### Applications

- In burial applications with or without conduit
- In outdoor locations, exposed to sunlight and moisture

### Specifications

- Direct Burial Rated
- Sunlight Resistant Rated
- REACH/RoHS Compliant
- TIA-568.2-D Category 5e
- Rated for 300 Volts
- Rated for -20°C to 60°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 5090 4PR24 CAT5E DIRECT BURIAL SUNLIGHT RESISTANT WET LOCATION APPROVED  
(RoHS) WO#?????????????? MMYX XXXXFT

Category 5e Cable, Direct Burial						
Part Number	Conductor Size (AWG)	Number of Conductors	Stranding	Nominal Diameter (in)	DC Resistance (Ohms/100m at 20°C)	Capacitance (nF/100m)
5090	24	8 (4 pairs)	Solid	0.236	9.38	5.6

ETL 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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