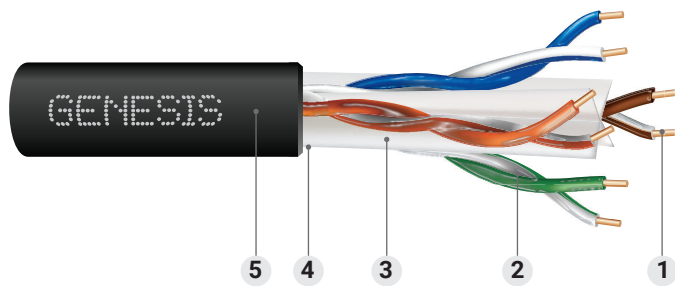


Category 6 Cable

Direct Burial

-GENESIS-

Genesis Category 6 Cables offer the ideal choice for high-performance voice and data networks in residential and 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. Spline Separator:** Reduces crosstalk for improved performance
- 4. Water Blocking:** Gel
- 5. 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 6
- 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 5110 4PR24 CAT 6 DIRECT BURIAL SUNLIGHT RESISTANT WET LOCATION APPROVED
(RoHS) WO#?????????????? MMYX XXXXFT

Category 6 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)
5110	24	8 (4 pairs)	Solid	0.281	9.38	5.6

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

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