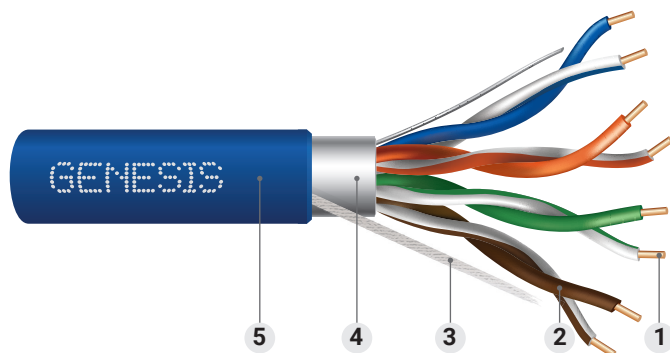


# Category 6+ Shielded Cable Riser

# -GENESIS-

Genesis Category 6+ Cables feature thicker conductors to more efficiently handle data and power for more complex voice and data networks, high-bandwidth PoE IP video surveillance, and more. 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 6

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 5192 SHIELDED 4PR23 CAT 6 PLUS E175104-1 (UL) CMR C(UL)US FT4 SUN RES 75C (RoHS)  
UL VERIFIED TO TIA-568.2-D CAT 6 XXXXXXXX YYYYFT RM# A B C D E F 1 2 3 4 5 6 7 8 9

**Category 6+ 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)
5192	23	8 (4 pairs)	Solid	0.275	9.38	5.6

**UL Verified to TIA-568.2-D Cat 6. Sweep tested to 600 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
500	48.9	33.8	31.8	15.2
550	51.8	33.2	31.2	14.9
600	54.5	32.6	30.6	14.7

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