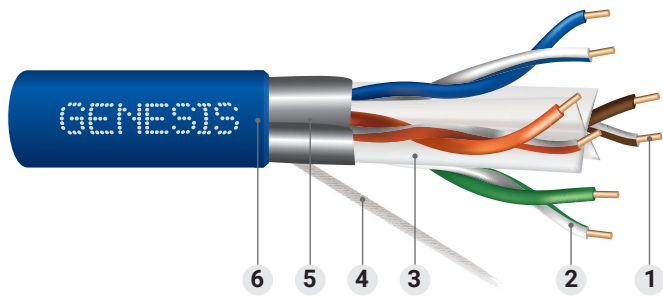


Category 6A Cable Riser

-GENESIS-

Genesis Category 6A cables offer the ultimate choice for high-performance networks. These cables support 10 Gigabit Ethernet speeds to handle the demands of wireless access points, IP video surveillance, and data centers.



Construction

- 1. Conductor:** Bare Copper conductors for excellent signal transmission and low voltage drop
- 2. Insulation:** Polypropylene or Polyethylene
- 3. Spline Separator:** Reduces crosstalk for improved performance
- 4. Rip Cord:** Durable rip cord for efficient jacket stripping and removal
- 5. Noncontinuous Aluminum Tape:** Over all conductors
- 6. 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 6A

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 5193 4PR23 CAT 6A E175104-1 (UL) CMR C(UL)US FT4 SUN RES 75C (RoHS)
ETL VERIFIED TO TIA-568.2-D CAT 6A XXXXXXXX YYYY FT RM# A B C D E F 1 2 3 4 5 6 7 8 9

Category 6A Cable, Riser						
Part Number	Conductor Size (AWG)	Number of Conductors	Stranding	Nominal Diameter (in)	DC Resistance (Ohms/100m at 20°C)	Capacitance (nF/100m)
5193	23	8 (4 pairs)	Solid	0.276	9.38	5.6

UL Verified to TIA-568.2-D Cat 6A. Sweep tested to 700 MHz						
Frequency (MHz)	Insertion Loss Maximum (dB/100m)	NEXT Minimum (dB/100m)	PSNEXT Minimum (dB/100m)	Return Loss Minimum (dB/100m)	PSANEXT Minimum (dB/100m)	PSAACRF Minimum (dB/100m)
1	2.1	74.3	72.3	20.0	67.0	67.0
4	3.8	65.3	63.3	23.0	67.0	66.2
8	5.3	60.8	58.8	24.5	67.0	60.1
10	5.9	59.3	57.3	25.0	67.0	58.2
16	7.5	56.2	54.2	25.0	67.0	54.1
20	8.4	54.8	52.8	25.0	67.0	52.2
25	9.4	53.3	51.3	24.3	67.0	50.2
31.25	10.5	51.9	49.9	23.6	67.0	48.3
62.5	15.0	47.4	45.4	21.5	65.6	42.3
100	19.1	44.3	42.3	20.1	62.5	38.2
155	24.1	41.4	39.4	18.8	59.6	34.4
200	27.6	39.8	37.8	18.0	58.0	32.2
250	31.1	38.3	36.3	17.3	56.5	30.2
300	34.3	37.1	35.1	16.8	55.3	28.7
350	37.2	36.1	34.1	16.3	54.3	27.3
400	40.1	35.3	33.3	15.9	53.5	26.2
500	45.3	33.8	31.8	15.2	52.0	24.2
550	47.7	33.2	31.2	14.9	51.4	23.4
600	50.1	32.6	30.6	14.7	50.8	22.6
700	54.5	31.6	29.6	14.2	49.8	21.3

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