

CAT6A HIGH GRADE CABLE

PLENUM F/UTP (SHIELDED)



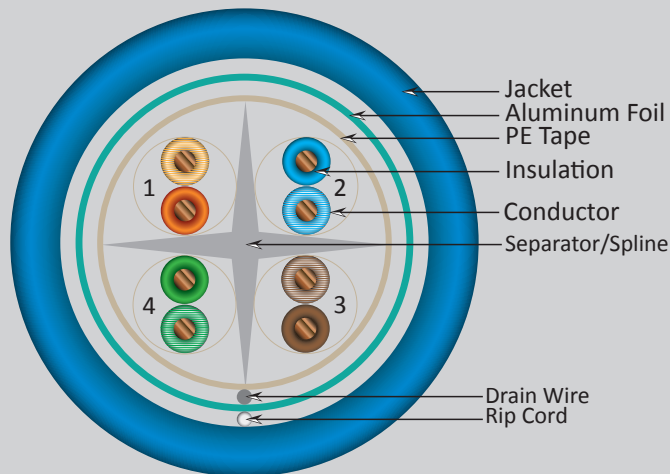
VERTICAL CABLE
Simply Connect.

DESCRIPTION

Category-6A, 23AWG, F/UTP, 8C Solid Bare Copper, Plenum Rated, 1000FT

FEATURES

- Category-6A High-Performance Data Cable
- 23AWG Solid Bare Copper Conductors
- F/UTP Shielded (Overall Shield)
- Exceeds ANSI/TIA 568-C.2 (up to 750Mhz)
- UL Listed, RoHS Compliant
- 1000ft Wooden Spool



Jacket available in Blue, White, Yellow, Black, Green

SKU: 165 SERIES

Technical Data

Product Standard Certification

CMP

Conductor

Size

Solid Bare Copper

23 AWG

Construction

Tape

PE Tape

Drain Wire

Solid Tin Copper

Shield (100% Coverage)

AL/Poly Tape

Divider (Pair Separator)

Yes

Ripcord

Yes

Jacket

Outer Diameter

Plenum PVC

0.268"±0.012" (6.8±0.3mm)

Color of Pairs

Pair 1

Blue, White-Blue

Pair 2

Orange, White-Orange

Pair 3

Green, White-Green

Pair 4

Brown, White-Brown

Mechanical Characteristics

Rated Temperature (°C)

-20°C to 80°C

Voltage

30V

Capacitance

5.6nF/100m Nominal

Velocity of Propagation (VPN)

65 %

Max. Conductor D.C.R.

9.38Ω/100m Nominal

Max. D.C.R. Unbalance

5%

Characteristic Impedance

1 MHz - 100 MHz 100±15%

101 MHz - 250 MHz 100±22%

251 MHz - 500 MHz 100±25%

Ratings

NEC Article 800, UL 444 Type CMP Rating FT6, ETL verified to ANSI/TIA 568C.2 Category 6, C (ETL)US, RoHS Compliant.

Marking on Jacket

Vertical Cable E191267 (UL) c(UL) CMP FT 75C 23AWG 4PR CAT6A F/UTP ANSI/TIA 568C.2 RoHS COMPLIANT XXXXFT

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CAT6A HIGH GRADE CABLE PLENUM F/UTP (SHIELDED)

PERFORMANCE

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	ACRF (dB/)	PS.NEXT (dB)	PS.ACRF (dB)	RL (dB)	Delay (ns/100m)	Skew (ns/100m)
1	1.9	65.0	64.2	62.0	61.2	19.1	521	44
4	3.5	64.1	52.1	61.8	49.1	21.0	504	
8	5.0	59.4	46.1	57.0	43.1	21.0	500	
10	5.5	57.8	44.2	55.5	41.2	21.0	498	
16	7.0	54.6	40.1	52.2	37.1	20.0	496	
20	7.8	53.1	38.2	50.7	35.2	19.5	495	
25	8.8	51.5	36.2	49.1	33.2	19.0	495	
31.25	9.8	50.0	34.3	47.5	31.3	18.5	494	
62.5	14.0	45.1	28.3	42.7	25.3	16.0	492	
100	18.0	41.8	24.2	39.3	21.2	14.0	491	
200	26.1	36.9	18.2	34.3	15.2	11.0	490	
250	29.5	35.3	16.2	32.7	13.2	10.0	490	
300	32.7	34.0	14.6	31.4	11.6	9.2	490	
400	38.4	32.0	12.1	29.3	9.1	8.0	490	
500	43.8	30.4	10.2	27.6	7.2	8.0	490	

• Note: Per TIA standards CAT6A is rated at 500MHz

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