

CAT6 HIGH GRADE CABLE PLENUM (SHIELDED)



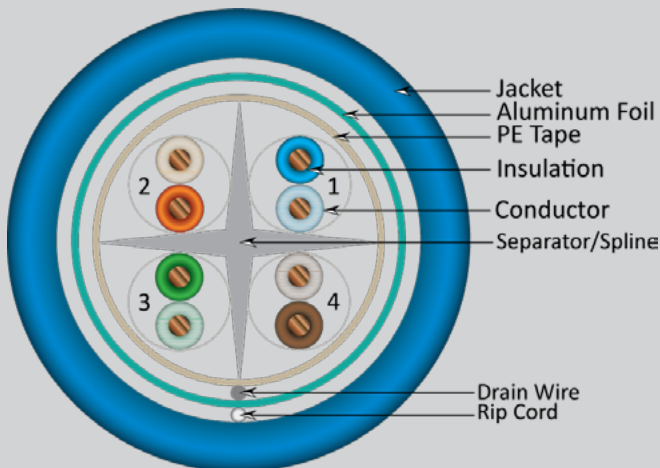
VERTICAL CABLE
Simply Connect.

DESCRIPTION

Category-6, 23AWG, F/UTP, 8C Solid Bare Copper, 550MHz, Plenum Rated, 1000ft.

FEATURES

- High-Performance Category-6 Data Cable
- 23AWG Solid Bare Copper Conductors
- 550MHz Bandwidth for Data Applications
- Overall Foil Shield
- Exceeds ANSI/TIA 568-C.2
- UL Listed, RoHS Compliant
- 1000ft Wooden Spool



Colors available:

SKU: 168 SERIES

Technical Data

Product Standard Certification	CMP
Conductor	Solid Bare Copper
Size	23 AWG
Construction	
Tape	PE Tape
Drain Wire	Solid Tin Copper
Shield (100% Coverage)	AL/Poly Tape
Divider (Pair Separator)	Yes
Ripcord	Yes
Jacket	Plenum PVC
Outer Diameter	0.268"±0.012"(6.8±0.3mm)

Insulation

Material	FEP
Outer Diameter	0.0433" (1.10 ±0.5mm)

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

4PR 23AWG SOLID CAT6 550MHZ SHIELDED 75C CMP E328429 (UL) C(UL) ANSI/TIA 568C.2 RoHS COMPLIANT XXXXT

Additional colors available as special order

VERTICAL CABLE

951.696.7772 California
800.749.2447 Florida
845.391.8318 New York



www.verticalcable.com

Rev. 03/2018

Specs subject to change without notice.

It is the sole responsibility of the user to have the most current specs.

CAT6 HIGH GRADE CABLE STP PLENUM (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	7.9	53.1	38.2	50.7	35.2	19.5	495	
25	8.9	51.5	36.2	49.1	33.2	19.0	495	
31.25	10.0	50.0	34.3	47.5	31.3	18.5	494	
62.5	14.4	45.1	28.3	42.7	25.3	16.0	492	
100	18.6	41.8	24.2	39.3	21.2	14.0	491	
200	27.4	36.9	18.2	34.3	15.2	11.0	490	
250	31.1	35.3	16.2	32.7	13.2	10.0	490	
300	34.6	34.0	14.6	31.4	11.6	9.2	490	
400	41.1	32.0	12.1	29.3	9.1	8.0	490	
500	47.1	30.4	10.2	27.6	7.2	8.0	490	

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