

CAT6 HIGH GRADE CABLE STP PLENUM (SHIELDED)

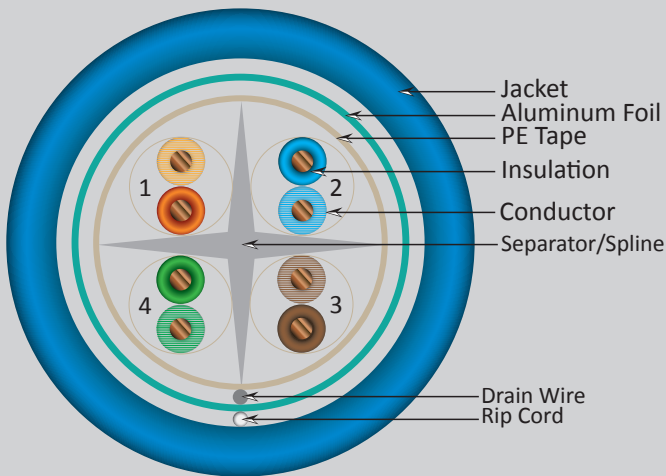


DESCRIPTION

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

FEATURES

- High-Performance Category-6 Data Cable
- 550MHz Bandwidth for Data Applications, Fast Ethernet and 155Mbps TP-PMD/CDDI
- Shielded Twisted Pair
- Easily Identified Color-Striped Pairs
- 23AWG Solid Bare Copper Conductors
- Exceeds TIA/EIA 568-C.2, ISO/IEC-11801
- Plenum Rated (CMP)
- ETL Listed, RoHS Compliant
- 1000ft Wooden Spool



SKU: 068 SERIES

Technical Data

Rated Temperature (°C)	60-75
Rated Voltage (V)	300
Product Standard Certification	CMP

Conductor

Size	Solid Bare Copper
Diameter (±0.01mm)	23 AWG

Insulation

Insulation Diameter (±0.05mm)	FEP
Twisted Pair Diameter (±0.01)	1.1
Filler	2.02
Tape	Foam FEP Separator
Drain Wire 24AWG Solid Tinned Copper(mm)	PET
Shield	AL/Poly Tape
Rip Cord	Kevlar

Jacket

Outer Diameter (±0.30mm)	PL-PVC
Average Thickness (±0.30mm)	6.75
Min. Point Thickness (mm)	0.58
	0.46

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

Voltage	20VAC OR VDC
Capacitance (nF/100m)	5.6
Impedance (±15%Ω)	100
Velocity of Propagation (%)	70.0
DCR (Ω/100m)	7.32
D-C Resistance Unbalance (%MAX)	5
Propagation Delay (ns/100m MAX)	535.6
Delay Skew (ns/100m MAX)	45
Attenuation & Crosstalk	
Fluke Channel Test	1~250MHz(300ft)

Marking on Jacket

E329281 4PR 23AWG 75C CMP (ETL) FTP CAT6 LAN CABLE MM/DD/YYYY
RoHS COMPLIANT
Sequential Foot Markers

Jacket available in Blue, Gray, White

VERTICAL CABLE

951.696.7772 California

800.749.2447 Florida

845.391.8318 New York



www.verticalcable.com

Rev. 05/2015

Specs subject to change without notice.

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

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PERFORMANCE

Electrical Characteristics:

1.0-250MHz Impedance (Ohms)	100±15
1.0-250.0MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20°C (ohms/km)	68.5
Resistance Unbalance (%)	<=5

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (dB/100m)	Next (Min dB)
0.772	19.4	1.8	76.0
1	20.0	2.0	74.3
4	23.0	3.8	65.3
8	24.5	5.3	60.8
10	25.0	6.0	59.3
16	25.0	7.6	56.2
20	25.0	8.5	54.8
25	24.3	9.5	53.3
31.25	23.6	10.7	51.9
62.5	21.5	15.4	47.4
100	20.1	19.8	44.3
200	18.0	29.0	39.8
250	17.3	32.8	38.3
350	16.3	39.8	36.1
450	15.5	46.0	34.5
550	14.9	51.7	33.2

Frequency (Mhz)	PSNext Min (dB)	ELFEXT Min(db/100m)	Delay Max(ns/100m)
0.772	74.0	70.0	-----
1	72.3	67.8	570.0
4	63.3	55.8	552.0
8	58.8	49.7	546.0
10	57.3	47.8	545.0
16	54.2	43.7	543.0
20	52.8	41.8	542.0
25	51.3	39.8	541.0
31.25	49.9	37.9	540.0
62.5	45.4	31.9	538.0
100	42.3	27.8	537.0
200	37.8	21.8	536.0
250	36.3	19.8	536.0
350	34.1	17.1	535.0
450	32.5	15.2	534.0
550	31.2	13.2	532.0

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