

CAT6 HIGH GRADE CABLE STP PLENUM (SHIELDED)

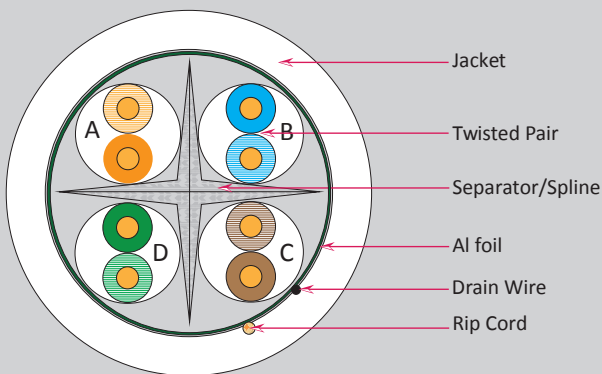
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DESCRIPTION

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

FEATURES

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



Technical Data

Rated Temperature (°C)	70
Rated Voltage (V)	30
Product Standard Certification	CMP

Conductor

Solid Bare Copper

Size 23 AWG

Insulation

PE

Average Thickness (mm) 0.213

Insulation Diameter (±0.005mm) 1.01

Twisted Pair Diameter (±0.01) 2.02

Filler LDPE

Shield AL-Foil

Drain Wire (TC) 0.40

Assembly Diameter

Jacket FR-PVC

Average Thickness (mm) 0.65

Min. Point Thickness (mm) 0.60

Outer Diameter (±0.10mm) 7.50

Rip Cord Yes

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

Test Object	Jacket
Test Material	FR-PVC
Before Tensile Strength (Mpa)	>=13.8
Aging Elongation (%)	>=100
Aging Condition (°Cxhrs)	100x168
After Tensile Strength (Mpa)	>=85% of unaged
Aging Elongation (%)	>=50% of unaged
Cold Bend (-20±2° Cx4hrs)	No Crack

Marking on Jacket

CAT6 CMP 23AWG SHIELDED (STP) C(ETL)US FT6 550MHZ ETL
VERIFIED CAT6 TO TIA-568B.2 ROHS XXXFT

Jacket available in Blue, Gray, White

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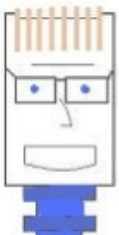
PERFORMANCE

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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Rev. 08/2013

Subject to change without notice.