

CAT6 HIGH GRADE 550MHz STP CMR RATED (SHIELDED)

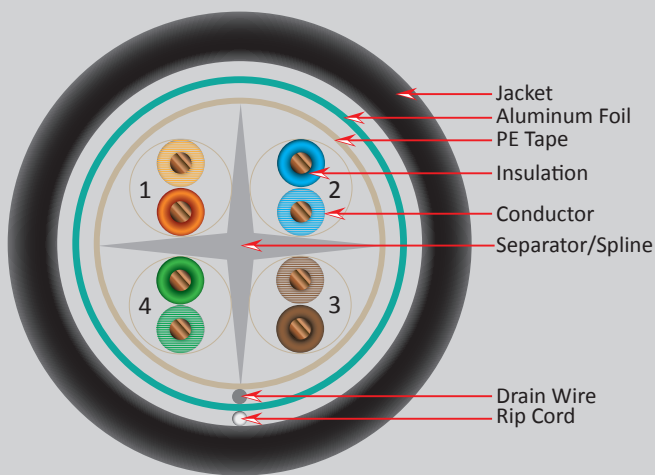


DESCRIPTION

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

FEATURES

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



SKU: 062 SERIES

Technical Data

Rated Temperature	75°C
Rated Voltage	30V
Product Standard Certification	CMR
NVP	70%

Conductor

Size **Solid Bare Copper**

Insulation **HDPE**

Average Thickness (mm) 0.29

Insulation Diameter (± 0.005 mm) 1.15

Filler **LDPE**

Bond **PE Tape**

Shield **AL-Foil**

Drain Wire (TC) 0.5

Jacket **PVC**

Average Thickness (mm) 0.64

Outer Diameter (± 0.10 mm) 7.6

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	PVC
Before Tensile Strength (Mpa)	≥ 10.34
Aging Elongation (%)	≥ 100
Aging Condition ($^{\circ}\text{C} \times \text{hrs}$)	100x168
After Tensile Strength (Mpa)	≥ 7.21
Aging Elongation (%)	$\geq 45\%$
Cold Bend ($-20 \pm 2^{\circ} \text{C} \times 4 \text{hrs}$)	No Crack

Marking on Jacket

VERTICAL 4001453 c(ETL) VERIFIED CMR FT4 STP SHIELDED 4PR
23AWG CAT6 550MHz TIA/EIA-568C.2 ISO/IEC 11801:2002 RoHS
XXXFT
(SEQUENTIAL FOOT MARKERS ON JACKET)

Jacket color available in
Blue, Black, Green, Gray, Red, White, Yellow

VERTICAL CABLE

951.696.7772 California

800.749.2447 Florida

845.391.8318 New York



www.verticalcable.com

Rev. 09/2016

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:

1.0-100MHz Impedance (Ω)	100±15
100-200MHz Impedance (Ω)	100±20
200-550MHz Impedance (Ω)	100±25
1-550MHz Delay Skew (ns/100m)	≤45
Pair-to-Ground Capacitance Unbalance (pF/100m)	≤330
Max. Conductor DC Resistance 20°C (Ω /km)	≤9.38
Resistance Unbalance (%)	≤4

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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