

CAT6 CMR 550MHz F/UTP (SHIELDED) RISER-RATED

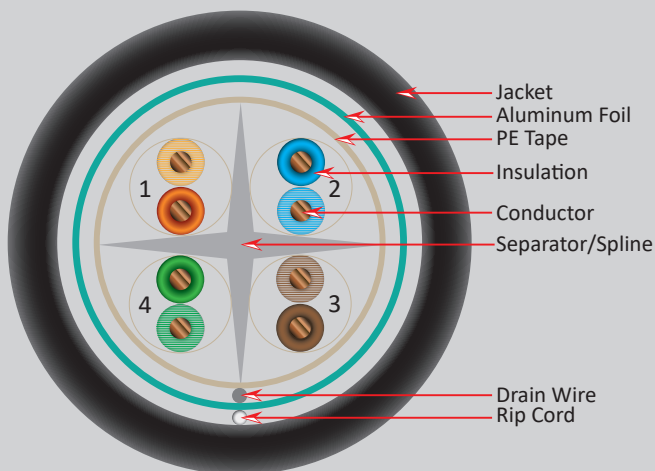


DESCRIPTION

CAT6, 23 AWG, F/UTP, 8C Solid Copper, 550MHz, Riser-Rated, PVC Jacket 1000 ft.

FEATURES

- Overall Foil-Shielded Twisted-Pair (F/UTP) Construction
- Riser Fire Safety Rating (CMR)
- 23 AWG Bare Copper Conductors
- Easy-to-See Vivid-Color Conductor Insulation & Jacket
- Meets or exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 Transmission Performance Specifications
- ETL Listed, RoHS Compliant
- Designed in the USA, Imported Product
- 1,000 ft Wooden Spool
- Weight: 40 lbs



SKU: 062 SERIES

Technical Data

Rated Temperature	75°C
Voltage Rating	60 V
Product Standard Certification	CMR
NVP	70%

Conductor

Size 23 AWG Solid Bare Copper

Insulation

Average Thickness	0.011 in (0.29 mm)
Insulation Diameter	0.045 in (1.15 mm ±0.005)
Filler	LDPE
Bond	PE Tape
Shield	AL-Foil
Drain Wire (TC)	0.02 in. (0.5 mm)

Jacket

Average Thickness	0.025 in (0.64 mm)
Outer Diameter	0.29 in (7.6 mm ±0.10)
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 (°Cxhrs)	100x168
After: Tensile Strength (Mpa)	≥7.21
Aging Elongation (%)	≥45%
Cold Bend (-20±2° Cx4hrs)	No Crack

Marking on Jacket

VERTICAL 4001453 c(ETL) VERIFIED CMR FT4 STP SHIELDED 4PR 23AWG CAT6 550MHz ANSI/TIA-568.2-D 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. 02/2017

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