

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

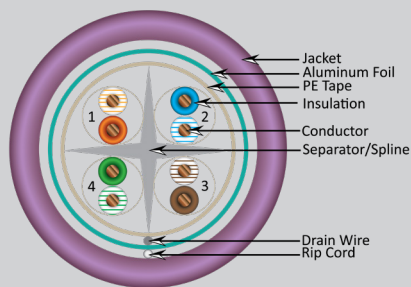


DESCRIPTION

CAT6, 23 AWG, F/UTP, 8C Solid Copper,
550 MHz, 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
- Supports PoE++ (Type 3) IEEE 802.3bt
- ETL Listed, RoHS Compliant
- Designed in the USA, Imported Product
- Weight: 40 lbs



062 SERIES

Part Number:	Description:
062-502/S/PR	CAT6 Shielded Riser Rated (F/UTP) CMR, Purple
062-503/S/BK	CAT6A Shielded Riser Rated (F/UTP) CMR, Black
062-504/S/BL	CAT6A Shielded Riser Rated (F/UTP) CMR, Blue
062-505/S/GR	CAT6A Shielded Riser Rated (F/UTP) CMR, Green
062-506/S/GY	CAT6A Shielded Riser Rated (F/UTP) CMR, Grey
062-507/S/OR	CAT6A Shielded Riser Rated (F/UTP) CMR, Orange
062-508/S/RD	CAT6A Shielded Riser Rated (F/UTP) CMR, Red
062-509/S/WH	CAT6A Shielded Riser Rated (F/UTP) CMR, White
062-510/S/YL	CAT6A Shielded Riser Rated (F/UTP) CMR, Yellow

TECHNICAL DATA

Rated Temperature:	75°C
Product Standard Certification:	CMR
NVP:	70%

CONDUCTOR

Size:	Solid Bare Copper
Voltage Rating:	23 AWG

INSULATION

Average Thickness:	HDPE
Insulation Diameter:	0.011 in (0.29 mm)
Voltage Rating:	0.045 in (1.15mm±0.005)
Filler:	300 V
Bond:	LDPE
Shield:	PE Tape
Drain Wire (TC):	AL-Foil
	0.02 in. (0.5 mm)

JACKET

Average Thickness:	PVC
Outer Diameter:	0.025 in (0.64 mm)
Rip Cord:	0.29 in (7.6 mm ±0.10)
	Yes

COLOR OF PAIRS

Pair 1:	Blue,White-Blue
Pair 2:	Orange,White-Orange
Pair 3:	Green,White-Green
Pair 4:	Brown,White-Brown

VERTICAL CABLE
951.696.7772 California
800.749.2447 Florida
845.391.8318 New York
713.322.7242 Texas



verticalcable.com

Rev. 09/2025

Subject to change without notice.

PERFORMANCE

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

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 (ns/100m)	PSNext (Min dB)	ELFEXT Min(db/100m)	Delay Max(ns/100m)
0.772	19.4	1.8	76.0	74.0	70.0	-----
1	20.0	2.0	74.3	72.3	67.8	570.0
4	23.0	3.8	65.3	63.3	55.8	552.0
8	24.5	5.3	60.8	58.8	49.7	546.0
10	25.0	6.0	59.3	57.3	47.8	545.0
16	25.0	7.6	56.2	54.3	43.7	543.0
20	25.0	8.5	54.8	52.8	41.8	542.0
25	24.3	9.5	53.3	51.3	39.8	541.0
31.25	23.6	10.7	51.9	49.9	37.9	540.0
62.5	21.5	15.4	47.4	45.4	31.9	538.0
100	20.1	19.8	44.3	42.3	27.8	537.0
200	18.0	29.0	39.8	37.8	21.8	536.0
250	17.3	32.8	38.3	36.3	19.8	536.0
350	16.3	39.8	36.1	34.1	17.1	535.0
450	15.5	46.0	34.5	32.5	15.2	534.0
550	14.9	51.7	33.2	31.2	13.2	532.0

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