



VERTICAL CABLE

CAT6A OUTDOOR-RATED CABLE

CMX | UTP | UV-RESISTANT

069-564/A/CMX

DESCRIPTION

CAT6A, PoE Type 4, 750MHz, Outdoor, CMX, 23 AWG, 4 Pair, UTP, 1000 ft, Spool, Black

FEATURES

- Supports up to IEEE 802.3bt PoE Type 4
- Outdoor- and UV-Resistant Jacket Material
- For outdoor use above ground
- 23-AWG solid bare copper conductors
- Exceeds ANSI/TIA-568.2-D and ISO/IEC 11801
- Supports High-Speed Data Applications
- ETL-listed, RoHS-Compliant
- 1000 ft. Wooden Spool
- Weight: 55 lb. (25 kg)

Compatible with VC RJ45 plugs

012-021-100 | 012-025-EZF-100
012-026-EZF-100



TRANSMISSION PERFORMANCE

Meets or exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

CONSTRUCTION

Pairs: 4
 Drain Wire: Tinned Copper 0.02 in. (0.51 mm)
 Separator Material: High Density Polyethylene (HDPE)
 Screen: Foiled (F/UTP)

CONDUCTORS

Material: Solid Bare Copper
 Size: 23 AWG
 Diameter: 0.02 in. (0.57 mm)
 Conductor Voltage: 60 V_{RMS}

INSULATION

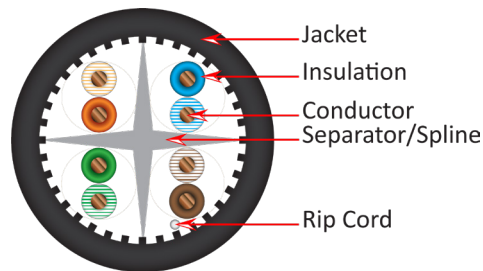
Material: PE
 Diameter: 0.04 in. (1.01 mm)
 Average Thickness: 0.01 in. (0.22 mm)
 Min. Point Thickness: 0.01 in. (0.20 mm)
 Twisted Pair Diameter: 0.08 in. (2.02 mm)
 Insulation Voltage: 300 V_{RMS}
 Color Coding: **Pair 1:** White-Blue/Blue **Pair 2:** White-Orange/Orange
Pair 3: White-Green/Green **Pair 4:** White-Brown/Brown

SEPARATOR

Material: LLDPE
 Average Diameter: 0.20 in. (5.20 mm)

JACKET

Color: Black
 Average Thickness: 0.02 in. (0.55 mm)
 Min. Point Thickness: 0.02 in. (0.50 mm)
 Outer Diameter: 0.30 in. (7.60 mm)
 Ripcord: Nylon
 Marking: VERTICAL 4001453 cETLus VERIFIED CMX UTP 4PR 23AWG OUTDOOR UV LLDPE 10GS AUGMENTED CAT6A ANSI/TIA-568.2-D RoHS XXXXFT



Florida (HQ)
800-749-2447

California
951-696-7772

New York
845-391-8318

Texas
713-322-7242

verticalcable.com

This specification sheet is subject to change without notice.



RoHS Intertek
Rev. 04/2026

ELECTRICAL CHARACTERISTICS

Impedance:	1.0~250MHz 100±15Ω ohms 200~500MHz 100±25Ω ohms
Delay Skew:	1.0~500MHz ≤45 ns/100m
Pair-to-Ground Capacitance Unbalance:	≤330 pF/100m
Maximum Conductor DC Resistance 20°C:	72.2 ohms/km
Resistance Unbalance:	≤5%
Voltage Rating:	300 V _{RMS}

MECHANICAL

Test Object:	Jacket
Test Material:	LLDPE
BEFORE	
Tensile Strength:	≥10.8 Mpa
Aging Elongation:	≥300%
Aging Condition:	100°C×168hrs
AFTER	
Tensile Strength:	≥85% of unaged
Aging Elongation:	≥50% of unaged
Cold Bend (-20±2°C×4hrs):	No Crack
Operating Temperature:	-40 °F ~ +167 °F (-40 °C ~ +75 °C)

SAFETY

FPA 70 (NEC®) fire rating:	CMX
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Frequency (MHz)	Return Loss (Min dB)	Attenuation (Max)	NEXT (Min dB)	PSNEXT (min dB)	ACR-F (Min dB)	PSACR-F (Min dB)	Delay (Max ns/100m)
1	20.0	2.1	74.3	72.3	67.8	64.8	570.0
4	23.0	3.8	65.3	63.3	55.8	52.8	552.0
8	24.5	5.3	60.8	58.8	49.7	46.7	547.0
10	25.0	5.9	59.3	57.3	47.8	44.8	545.0
16	25.0	7.5	56.2	54.2	43.7	40.7	543.0
20	25.0	8.4	54.8	52.8	41.8	38.8	542.0
25	24.3	9.4	53.3	51.3	39.8	36.8	541.0
31.25	23.6	10.5	51.9	49.9	37.9	34.9	541.0
62.5	21.5	15.0	47.4	45.4	31.9	28.9	539.0
100	20.1	19.1	44.3	42.3	27.8	24.8	538.0
200	18.0	27.6	39.8	37.8	21.8	18.8	537.0
300	16.8	34.3	37.1	35.1	18.5	15.5	536.1
400	15.9	40.1	35.3	33.3	16.0	13.0	535.8
500	15.2	45.3	33.8	31.8	14.0	11.0	535.6
600	17.3	50.1	33.6	30.6	12.4	9.4	535.5
800	17.3	58.8	31.8	28.8	9.9	6.9	535.3

*Values above 500MHz are for information only.

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