



VERTICAL CABLE

CAT6A DIRECT BURIAL CABLE

CMX | WATER-RESISTANT | UV-RESISTANT

069-565/A/CMXT

DESCRIPTION

CAT6A, PoE Type 4, 600 MHz. Direct Burial or Cell Tower Applications, CMXT, F/UTP - Shielded, Dual Jacket, 23 AWG, 4 Pair, 1000 ft, Spool, Black

FEATURES

- Supports 10/100/1000BASE-T applications
- Ideal for 10G Networks up to 100 meters
- Fast Ethernet and 155Mbps TP-PMD/CDDI
- Outdoor UV-resistant dual jacket
- Water-Resistant / Direct Burial / Overall Shield
- 600 MHz bandwidth supporting wide range of applications
- 23 AWG Solid Copper Conductors
- Easily identifiable pair insulation colors
- Exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 specifications
- CAN/CSA-C22.2 No. 214, RoHS compliant
- ETL listed
- Weight: 55 lb. (25 kg)

Compatible with VC RJ45 plugs

012-021-100 | 012-024/10G | 012-026/EZF-100



TRANSMISSION PERFORMANCE

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

CONSTRUCTION

Pairs: 4
 Conductors: 8
 Drain Wire: Tinned Copper 0.02 in. (0.51 mm)
 Separator Material: High Density Polyethylene (HDPE)
 Screen: Foiled (F/UTP)

CONDUCTORS

Material: Solid Bare Annealed Copper
 Size: 23 AWG
 Conductor Voltage Rating: 60 V_{RMS}

INSULATION

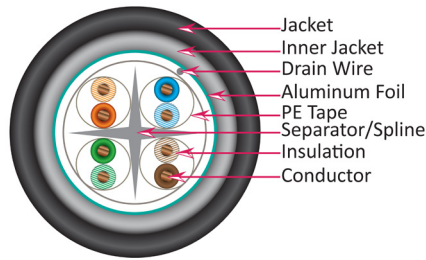
Material: Three pairs with HDPE / One pair with Foam PE
 Diameter: 0.04 in. (1.02 mm)
 Average Thickness: 0.01 in. (0.25 mm)
 Insulation Rating: 300 V_{RMS}
 Color Coding: **Pair 1:** White-Blue/Blue **Pair 2:** White-Orange/Orange
Pair 3: White-Green/Green **Pair 4:** White-Brown/Brown

INNER JACKET (GRAY)

Material: Polyvinyl Chloride (PVC)
 Outer Diameter: 0.29 in. (7.30 mm)
 Average Thickness: 0.02 in. (0.51 mm)

OUTER JACKET (BLACK)

Material: Linear Low Density Polyethylene (LLDPE)
 Outdoor Rating: UV-Resistant
 Outdoor Diameter: 0.36 in. (9.20 mm)
 Average Thickness: 0.0255 in. (0.65 mm)
 Marking: VERTICAL CABLE c(ETL)us 5006092 CMX 75C F/UTP OUTDOOR DIRECT BURIAL UV LLDPE 4PR 23AWG CAT6A ANSI/TIA-568.2-D RoHS V2034P14401 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. 05/2026

ELECTRICAL CHARACTERISTICS

Voltage Rating: 60 V_{RMS}

MECHANICAL

Before Tensile Strength (Mpa): ≥14.8 MPa
 Elongation After Aging (%): ≥100
 Aging Conditions (°C × h): 100x240
 Tensile Strength After Aging (Mpa): ≥85% of unaged
 Elongation After Aging (%): ≥50% of unaged
 Cold Bend (-40±2°C x 4hrs): No Crack
 Maximum Pulling Force: 100 N
 Minimum Bending Radius: 8XOD
 Nominal Weight: 68 KG/KM
 Operating Temperature: -40 °C ~ +70 °C

SAFETY

FPA 70 (NEC®) fire rating: CMX

ENVIRONMENTAL

Operating Temperature: -40 °F-167 °F (-40 °C-75 °C)

Transmission Frequency (Mhz)	NEXT (dB)	Attenuation (dB/100m)	Return Loss (dB)	PSNEXT (dB)	ACRF (dB)	PS ACRF (dB)	PS ANEXT (dB)	PS AACRF (dB)	Delay (ns/100m)	Skew (ns/100m)
1	74.3	2.1	20	72.3	67.8	64.8	92.5	78.2	570	45
4	65.3	3.8	23	63.3	55.8	52.8	83.5	66.2	552	
10	59.3	5.9	25	57.3	47.8	44.8	77.5	58.2	545	
16	56.2	7.5	25	54.2	43.7	40.7	74.4	54.1	543	
20	54.8	8.4	25	52.8	41.8	38.8	73.0	52.2	542	
31.25	51.9	10.5	23.6	49.9	37.9	34.9	70.1	48.3	540	
62.5	47.4	15.0	21.5	45.4	31.9	28.9	65.6	42.3	539	
100	44.3	19.1	20.1	42.3	27.8	24.8	62.5	38.2	538	
200	39.8	27.6	18	37.8	21.8	18.8	58.0	32.2	537	
250	38.3	31.1	17.3	36.3	19.8	16.8	56.5	30.2	536	
500	33.8	45.3	15.2	31.8	13.8	10.8	52.0	24.2	536	

Frequencies	Characteristic Impedance (ohm)	
1	100+/- 15	
4		
10		
16		
20		
31.25		
62.5		
100		
200		+/- 22
250		
500	+/- 25	

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