

CAT6A DIRECT BURIAL STP CMXT



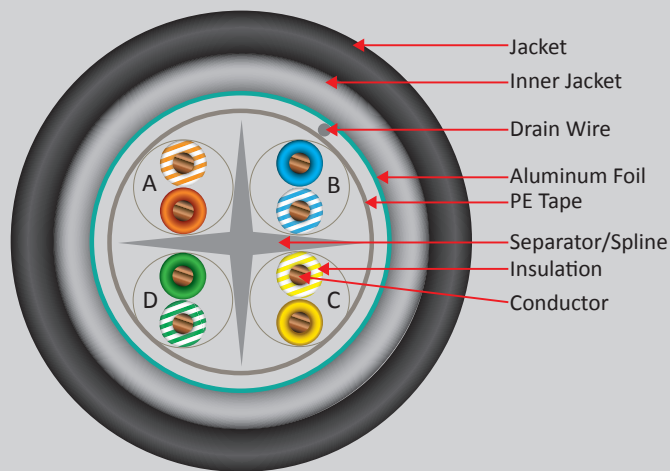
SKU: 069-565/A/CMXT

DESCRIPTION

Category-6A, Shielded CMXT, Dual Jacket, Direct Burial, 23AWG, 8-Conductor, Solid-Bare Copper, 1000ft Spool, Black

FEATURES

- Category-6A Shielded Twisted Pair
- High-Performance Data Cable
- 23AWG Solid Bare Copper Conductors
- Dual Jacket, Outer LLDPE Jacket (UV)
- Easily Identified Color-Striped Pairs
- Exceeds TIA/EIA-568C.2, ISO/IEC 11801
- 10BASE-T, 100BASE-TX, 1000BASE-TX, and 10GBASE-T
- ETL Listed, RoHS Compliant
- 1000ft Wooden Spool



Technical Data

Rated Temperature -40~70 °C
Rated Voltage 60V

Conductor

Size Solid Bare Copper
23 AWG

Diameter (±0.005mm) 1.585

Insulation

Average Thickness (mm) 0.29

Min Point Thickness (mm) 0.28

Insulation Diameter (±0.03mm) 1.18

Colors

Pair 1:Blue,White-Blue

Pair 2:Orange,White-Orange

Pair 3:Green,White-Green

Pair 4:Brown,White-Brown

Lay Length

Twisting Lay Length (mm) 20 underneath

Cabling Lay Length (±20mm) 100

Central Separator (mm) 5.5x0.6

Polyester Film 0.03x25

Drain Wire (Tinned Cooper, mm) 0.5

AL Foil (mm) 0.07x25

Jacket

Inner Jacket Material (Gray) PVC

Outer Jacket Material (Black) LLDPE (UV)

Average Thickness (mm) 0.65

Min Point Thickness (mm) 0.58

Outer Diameter (±0.2mm) 8.5

Rip Cord None

Jacket Print:

VERTICAL 4009208 c(ETL)us VERIFIED OUTDOOR DIRECT BURIAL LLDPE
10GS AUGMENTED CAT6A 4PR 23AWG TIA/EIA -568C.2 ROHS XXXFT

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 /100m)	100±15
100 ~ 200MHz Impedance(Ω /100m)	100±20
200 ~ 500MHz Impedance(Ω /100m)	100±25
1~500MHz Propagation Delay Delay Skew (ns/100m)	≥45
Pair-to-Ground Capacitance Unbalance (pF/100m)	≥330
Conductor DC Resistance 20°C (Ω /100m)	≤9.38
DC Resistance Unbalance (%)	≤4.0
Material Capacitance 1KHz 20°C (nF/100m)	≤5.6

Frequency MHz	Return Loss dB	Attenuation dB/100m	NEXT dB	ACR dB	PSNEXT dB	ACRF dB/100m	PSACRF dB/100m	Delay ns/100m
1.00	20.0	2.1	74.3	72.2	72.3	67.8	64.8	570
4.00	23.0	3.8	65.3	61.5	63.3	55.8	52.8	552
8.00	24.5	5.3	60.8	55.5	58.8	49.7	46.7	546
10.00	25.00	5.9	59.3	53.4	57.3	47.8	44.8	545
16.00	25.00	7.5	56.2	48.7	54.2	43.7	40.7	543
20.00	25.00	8.4	54.8	46.4	52.8	41.8	38.8	542
25.00	24.3	9.4	53.3	43.9	51.3	39.8	36.8	541
31.25	23.6	10.5	51.9	41.4	49.9	37.9	34.9	540
62.50	21.5	15.0	47.4	32.4	45.4	31.9	28.9	538
100.00	20.1	19.1	44.3	25.2	42.3	27.8	24.8	537
200.00	18.0	27.6	39.8	12.2	37.8	21.8	18.8	536
250.00	17.3	31.1	38.3	7.2	36.3	19.8	16.8	536
300.00	16.8	34.3	37.1	2.8	35.1	18.3	15.3	536
400.00	15.9	40.1	35.3		33.3	15.8	12.8	536
500.00	15.2	45.3	33.8		31.8	13.8	10.8	536
550.00	14.9	51.8	33.2		31.2			

Mechanical Characteristics:

Test Object	Jacket
Test Material	LLDPE
Before Tensile Strength (Mpa)	≥13.34
Aging Elongation (%)	≥100
Aging Condition (±1.0°Cxhrs)	100x168
After Tensile Strength (Mpa)	≥7.21% of Unaged
Aging Elongation (%)	≥45% of Unaged
Cold Bend (-20±2°Cxhrs) (4hrs)	No Crack
Heat Shock Test (121±1.0°Cx1h)	No Crack

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