

CAT6A DIRECT BURIAL F/UTP (DUAL JACKET) WATERPROOF

SKU: 069-565/A/CMXT

Technical Data

Operating Temperature	-40~+60 °C
Installation Temperature	0~+50 °C
Voltage Rating	60 V*
Conductor	Solid Bare Copper
Size	23 AWG
Insulation	Three Pairs with HDPE
	One pair with Foam PE
Insulation Rating	300 V*
Separator	HDPE
Rip Cord	Yes
Overall Screen	
PET Tape and Aluminium poly laminate	0.016 in. (0.4 mm +/-0.01)

Inner Jacket

Nominal Diameter	0.3 in. (7.3 mm +/- 0.4)
Nominal Thickness	0.02 in. (0.5 mm +/-0.1)
Outer Jacket	LLDPE(ROHS+UV)
Nominal Diameter	0.4 in. (9.2 mm +/- 0.5)
Nominal Thickness	0.025 in. (0.65 mm +/-0.1)

Colors 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	LLDPE
Before	
Tensile Strength (Mpa)	≥14.8
Aging Elongation (%)	≥100
Aging Condition (°Cxhrs)	100x240
After	
Tensile Strength (Mpa)	≥85% of unaged
Aging Elongation (%)	≥50% of unaged
Cold Bend (-40±2° Cx4hrs)	No Crack
Maxium Pulling Force	100 N
Minimum Bending Radius	8XOD

Marking on Jacket

VERTICAL CABLE c(ETL)us 5006092 CMX 75C F/UTP OUTDOOR
DIRECT BURIAL UV LLDPE 4PR 23AWG CAT6A ANSI/TIA-568.2-D
RoHS V2034P11455 XXXXFT



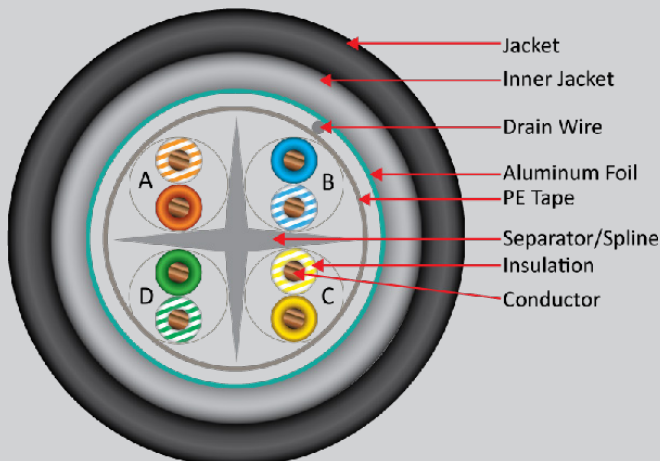
VERTICAL CABLE
Simply Connect.

DESCRIPTION

CAT6A F/UTP Outdoor, Direct Burial (UV), 23 AWG Solid-Bare Copper.

FEATURES

- Shielded Twisted-Pair (F/UTP) Construction
- For outdoor use above ground and/or direct burial
- Supports High-Speed Data Applications including Ethernet 10 Gigabit
- 23 AWG Bare Copper Conductors
- Easy-to-See Vivid-Color Conductor Insulation & Jacket
- Outdoor- and UV-Resistant Jacket Material
- Meets or exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 Transmission Performance Specifications
- ETL Listed, RoHS Compliant
- 1,000 ft Wooden Spool
- Weight: 55 lbs



Compatible with 012-021 RJ45 connectors

VERTICAL CABLE

951.696.7772 California

800.749.2447 Florida

845.391.8318 New York



verticalcable.com

Rev. 04/2022

Specs subject to change without notice.

It is the sole responsibility of the user to have the most current specs.

CAT6A DIRECT BURIAL F/UTP (DUAL JACKET) WATERPROOF

PERFORMANCE

MECHANICAL CHARACTERISTICS:

Maximum Pulling Force	100 N
Minimum Bending Radius	8*OD
Nominal Weight	68 KG/KM
Operating Temperature	-40Deg C ~ +60 Deg C
Installation Temperature	+0Deg C ~ +50 Deg C

ELECTRICAL CHARACTERISTICS:

Transmission Frequency (MHz)	1	4	10	16	20	31.25	62.5	100	200	250	500
NEXT dB	74.3	65.3	59.3	56.2	54.8	51.9	47.4	44.3	39.8	38.3	33.8
Characteristic Impedance (ohm)	100+/- 15								+/- 22		+/- 25
Attenuation dB/100m	2.1	3.8	5.9	7.5	8.4	10.5	15.0	19.1	27.6	31.1	45.3
Return Loss dB	20	23	25	25	25	23.6	21.5	20.1	18	17.3	15.2
PSNEXT dB	72.3	63.3	57.3	54.2	52.8	49.9	45.4	42.3	37.8	36.3	31.8
ACRF dB	67.8	55.8	47.8	43.7	41.8	37.9	31.9	27.8	21.8	19.8	13.8
PS ACRF dB	64.8	52.8	44.8	40.7	38.8	34.9	28.9	24.8	18.8	16.8	10.8
PS ANEXT dB	92.5	83.5	77.5	74.4	73.0	70.1	65.6	62.5	58.0	56.5	52.0
PS AACRF dB	78.2	66.2	58.2	54.1	52.2	48.3	42.3	38.2	32.2	30.2	24.2
Delay ns/100m	570	552	545	543	542	540	539	538	537	536	536
Skew ns/100m	45										

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