

CAT6 DIRECT BURIAL F/UTP (DUAL JACKET) WATERPROOF



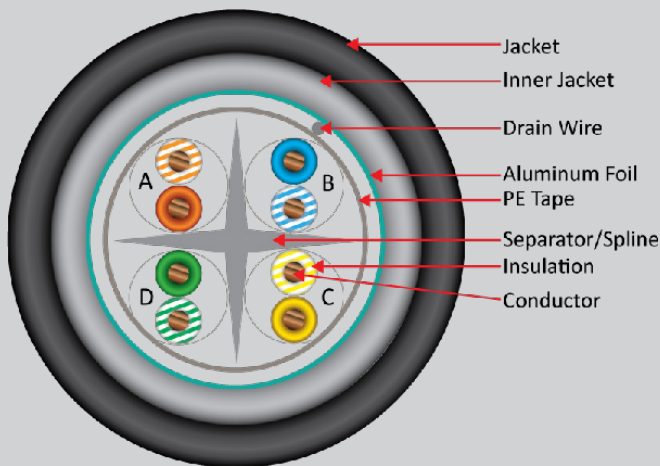
VERTICAL CABLE
Simply Connect.

DESCRIPTION

CAT6 F/UTP Outdoor, Direct Burial (UV), 23 AWG Solid-Bare Copper.

FEATURES

- Fast Ethernet and 155Mbps TP-PMD/CDDI
- 23 AWG Solid Copper Conductors
- Easily Identified Color-Striped Pairs
- 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: 54 lbs



SKU: 069-561/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

Average Thickness

0.012 in (0.308 mm)

Insulation Diameter

0.046 in (1.189 mm ±0.02)

Insulation Rating

300 V*

Separator

HDPE

Rip Cord

Yes

Overall Shield

PET Tape and Aluminium poly laminate

0.015 in (0.4 mm +/-0.01)

TC Drain Wire

Inner Jacket

PVC (ROHS and

IEC60332-1 flame rate)

Nominal Diameter

0.29 in (7.3 mm +/- 0.4)

Nominal Thickness

0.019 in (0.5 mm +/-0.1)

Outer Jacket

LLDPE (ROHS+UV)

Nominal Diameter

0.36 in (9.2 mm +/- 0.5)

Nominal Thickness

0.026 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
	Maximum Pulling Force	100 N
	Minimum Bending Radius	8XOD

Marking on Jacket

VERTICAL 4001453 c(ETL)us VERIFID F/UTP 4PR 23 AWG OUTDOOR
DIRECT BURIAL UV LLDPE CAT6 550MHZ CMX 75C ANSI/TIA-568.2-D RoHS
V1379P12189 XXXXFT

* Conductors will handle up to PoE type 3 voltages 60 V, insulation material will handle up to 300 V.

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.

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PERFORMANCE

Electrical Characteristics:

Characteristics Impedance	100±15 Ohms
Delay Skew	<=45 (nS/100m)
Pair to Ground Capacitance	<=330 (Pf/100m) Unbalance
Max. conductor DC Resistance	93.8 (ohms/km) 20°C
Resistance Unbalance	5% Max

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (dB/100m)	Next Min (dB)
1	20.0	2.0	76.3
4	23.0	3.8	67.3
8	24.5	5.3	62.8
10	25.0	6.0	61.3
16	25.0	7.6	58.3
20	25.0	8.5	56.8
25	24.3	9.5	55.3
31.25	23.6	10.7	53.9
62.5	21.5	15.4	49.4
100	20.1	19.8	46.3
155	18.8	25.1	43.5
200	18.0	29.0	41.8
250	17.3	32.8	40.3
300	16.8	36.4	39.2
400	15.9	43.0	37.3
500	15.5	47.2	35.4
550	14.4	50.3	32.8

Frequency (Mhz)	PSNext Min (dB)	ELFEXT Min(db/100m)	ACR Min(dB)
1	74.3	67.8	74.3
4	65.3	55.7	63.5
8	60.8	49.7	57.5
10	59.3	47.8	55.3
16	56.3	43.7	50.7
20	54.8	41.7	48.3
25	53.3	39.8	45.8
31.25	51.9	37.9	43.2
62.5	47.4	31.8	34.0
100	44.3	27.8	26.5
155	41.5	23.9	18.4
200	39.8	21.7	12.8
250	38.3	19.8	7.5
300	37.2	18.2	2.8
400	35.3	15.7	NA
500	33.6	13.4	NA
550	32.1	12.6	NA

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