

CAT6 DIRECT BURIAL F/UTP (DUAL JACKET) WATERPROOF



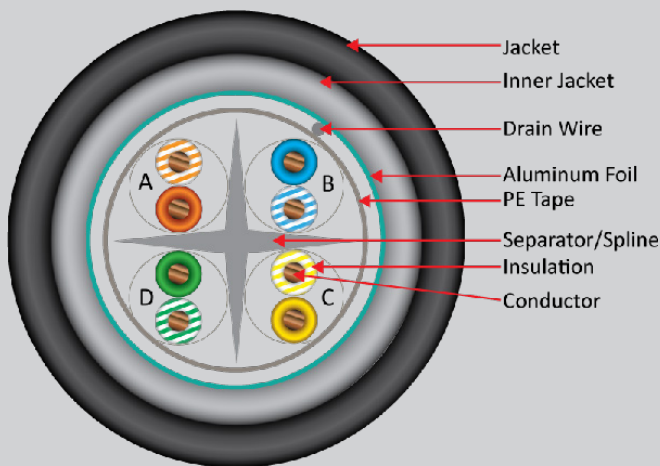
VERTICAL CABLE
Simply Connect.

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
- 2,000 ft Wooden Spool
- Weight: 100.3 lbs



SKU: 069-556/CMXT2K

Technical Data

Operating Temperature	-40~+70 °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	0.047 in. (1.189 mm ±0.02)
Insulation Rating	300 V*
Separator	HDPE
Rip Cord	Yes

Overall Shield

PET Tape and Aluminium poly laminate	0.016 in (0.4 mm +/-0.01)
TC Drain Wire	

Inner Jacket

Nominal Diameter	0.287 in. (7.3 mm +/- 0.4)
Nominal Thickness	0.02 in. (0.5 mm +/-0.1)

Outer Jacket

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 cETLus VERIFIED F/UTP 4PR 23 AWG OUTDOOR DIRECT BURIAL UV LLDPE CAT6 550MHz CMX 75C ANSI/TIA-568.2-D RoHS XXXXFT (SEQUENTIAL FOOT MARKERS ON JACKET)

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

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

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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