

CAT6 DIRECT BURIAL F/UTP (DUAL JACKET) WATERPROOF



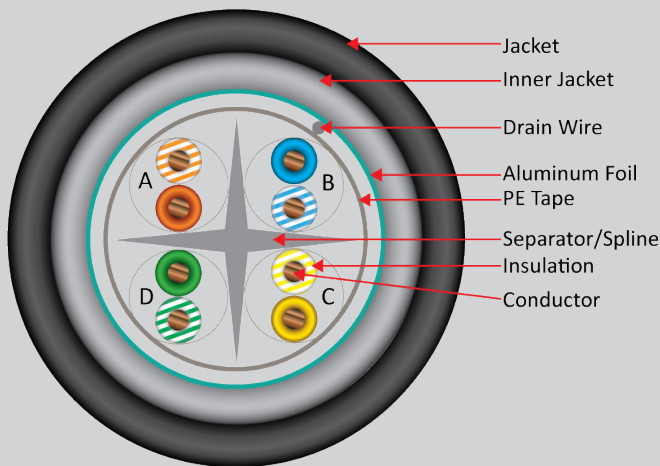
VERTICAL CABLE
Simply Connect.

DESCRIPTION

Category-6 F/UTP Outdoor, Direct Burial (UV),
23AWG Solid-Bare Copper.

FEATURES

- Category-6 with Overall Shield
- 23AWG Solid Copper Conductors
- Dual Jacket Direct Burial UV Rated
- 550MHz Bandwidth for Data Applications
- IEC 61156-5, IEC11801,
ANSI/TIA 568D.2, UL444
- ETL Listed, RoHS Compliant
- 2,000 ft Wooden Spool



SKU: 069-556/CMXT2K

Technical Data

Operating Temperature
Installation Temperature
Rated Voltage

-40~+70 °C

0~+50 °C

30V

Conductor

Size

Solid Bare Copper

23 AWG

Insulation

Average Thickness

Insulation Diameter

Three Pairs with HDPE

One pair with Foam PE

0.012 in (0.308 mm)

0.047 in (1.189 ±0.02 mm)

HDPE

Yes

Separator

Rip Cord

Overall Shield

PET Tape and Aluminium poly laminate

0.016 in (0.4+/-0.01 mm)

TC Drain Wire

PVC (ROHS and

IEC60332-1 flame rate)

0.287 in (7.3+/- 0.4 mm)

0.02 in (0.5+/-0.1 mm)

LLDPE(ROHS+UV)

0.36 in (9.2+/- 0.5 mm)

0.026 in (0.65+/-0.1 mm)

Inner Jacket

Nominal Diameter

Nominal Thickness

Outer Jacket

Nominal Diameter

Nominal Thickness

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 CABLE c(ETL)us 5006092 CMX 75C F/UTP OUTDOOR
DIRECT BURIAL UV LLDPE 4PR 23AWG 550MHZ CAT6 ANSI/TIA-
568-C.2 RoHS V2034P11458 XXXXFT

VERTICAL CABLE

951.696.7772 California

800.749.2447 Florida

845.391.8318 New York



www.verticalcable.com

Rev. 09/2019

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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