

CAT6 DIRECT BURIAL F/UTP (DUAL JACKET) WATERPROOF



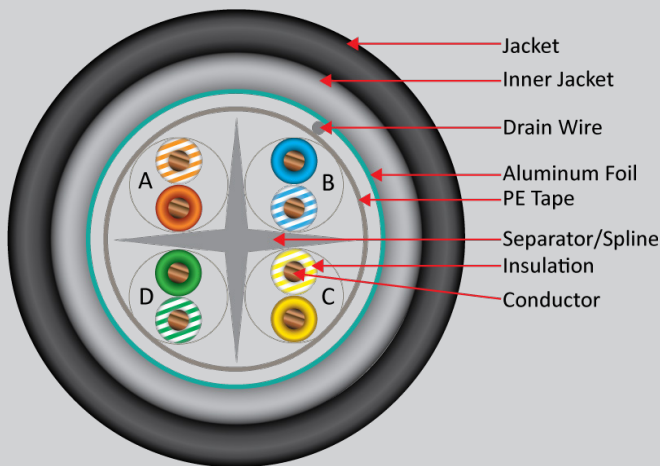
VERTICAL CABLE
Simply Connect.

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
- 1,000ft Wooden Spool



SKU: 069-561/CMXT

Technical Data

Operating Temperature	-40~+60 °C
Installation Temperature	0~+50 °C
Rated Voltage	30V
Conductor	Solid Bare Copper
Size	23 AWG
Insulation	Three Pairs with HDPE
	One pair with Foam PE
	0.308
	1.189
	HDPE
	Yes
Average Thickness (mm)	0.4+/-0.01mm
Insulation Diameter (±0.02mm)	TC Drain Wire
Separator	PVC (ROHS and IEC60332-1 flame rate)
Rip Cord	7.3+/- 0.4 mm
Overall Shield	0.5+/-0.1mm
PET Tape and Aluminium poly laminate	LLDPE(ROHS+UV)
	9.2+/- 0.5 mm
	0.65+/-0.1mm
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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