

CAT6A DIRECT BURIAL F/UTP (DUAL JACKET) WATERPROOF

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SKU: 069-565/A/CMXT

DESCRIPTION

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

FEATURES

- Category-6A with Overall Shield
- 23AWG Solid Copper Conductors
- Dual Jacket Direct Burial UV Rated
- 550MHz Bandwidth for Data Applications
- Ideal for 10G Networks up to 100 meters
- Exceeds ANSI/TIA-568C.2, ISO/IEC 11801
- ETL Listed, RoHS Compliant
- 1,000ft Wooden Spool

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
Separator	HDPE
Rip Cord	Yes

Overall Screen

PET Tape and Aluminium poly laminate	0.4+/-0.01mm TC Drain Wire
Inner Jacket	PVC (ROHS and IEC60332-1 flame rate)
Nominal Diameter	7.3+/- 0.4 mm
Nominal Thickness	0.5+/-0.1mm

Outer Jacket

Nominal Diameter	9.2+/- 0.5 mm
Nominal Thickness	0.65+/-0.1mm

Colors of Pairs

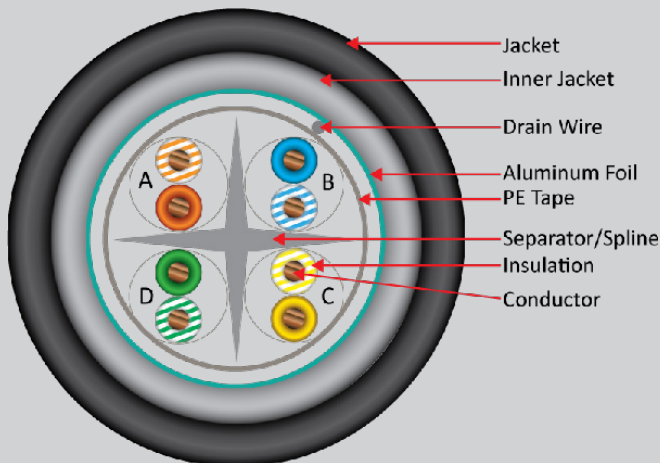
- Pair 1: Blue,White-Blue
- Pair 2: Orange,White-Orange
- Pair 3: Green,White-Green
- Pair 4: Brown,White-Brown

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-C.2 RoHS V2034P11455 XXXXFT



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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:

1.0 ~ 100MHz Impedance(Ω /100m)	100±15
100 ~ 200MHz Impedance(Ω /100m)	100±20
200 ~ 500MHz Impedance(Ω /100m)	100±25
1~500MHz Propagation Delay Delay Skew (ns/100m)	≥45
Pair-to-Ground Capacitance Unbalance (pF/100m)	≥330
Conductor DC Resistance 20°C (Ω /100m)	≤9.38
DC Resistance Unbalance (%)	≤4.0
Material Capacitance 1KHz 20°C (nF/100m)	≤5.6

Frequency MHz	Return Loss dB	Attenuation dB/100m	NEXT dB	ACR dB	PSNEXT dB	ACRF dB/100m	PSACRF dB/100m	Delay ns/100m
1.00	20.0	2.1	74.3	72.2	72.3	67.8	64.8	570
4.00	23.0	3.8	65.3	61.5	63.3	55.8	52.8	552
8.00	24.5	5.3	60.8	55.5	58.8	49.7	46.7	546
10.00	25.00	5.9	59.3	53.4	57.3	47.8	44.8	545
16.00	25.00	7.5	56.2	48.7	54.2	43.7	40.7	543
20.00	25.00	8.4	54.8	46.4	52.8	41.8	38.8	542
25.00	24.3	9.4	53.3	43.9	51.3	39.8	36.8	541
31.25	23.6	10.5	51.9	41.4	49.9	37.9	34.9	540
62.50	21.5	15.0	47.4	32.4	45.4	31.9	28.9	538
100.00	20.1	19.1	44.3	25.2	42.3	27.8	24.8	537
200.00	18.0	27.6	39.8	12.2	37.8	21.8	18.8	536
250.00	17.3	31.1	38.3	7.2	36.3	19.8	16.8	536
300.00	16.8	34.3	37.1	2.8	35.1	18.3	15.3	536
400.00	15.9	40.1	35.3		33.3	15.8	12.8	536
500.00	15.2	45.3	33.8		31.8	13.8	10.8	536
550.00	14.9	51.8	33.2		31.2			



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