

# CAT6 DIRECT BURIAL UTP (DUAL JACKET) WATERPROOF

\*\*\*SPECIFICATIONS UPDATED\*\*\*



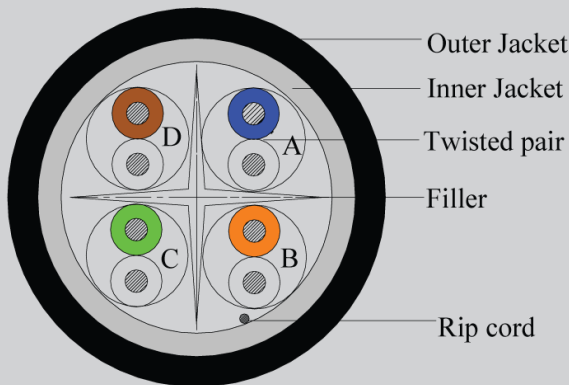
**SKU: 069-557/US/CMXT**

## DESCRIPTION

Category-6 CMXT, Direct Burial, Unshielded, 23AWG, 8-Conductor, Solid-Bare Copper, 1000ft Wooden Spool, Black

## FEATURES

- Category-6 Unshielded Twisted Pair
- High Bandwidth for Data Applications
- 23AWG Solid Copper Conductors
- Easily Identified Color-Striped Pairs
- Exceeds ANSI/TIA-568C.2, ISO/IEC 11801
- CAN/CSA-C22.2 No. 214
- ETL Listed, RoHS Compliant
- 1,000ft Wooden Spool



### Technical Data

Rated Temperature	70 °C
Rated Voltage	30V
<b>Conductor</b>	<b>Solid Bare Copper</b>
Size	23 AWG
Diameter (mm)	0.57
<b>Insulation</b>	<b>PE</b>
Insulation Diameter (±0.01mm)	1.01
Average Thickness (mm)	0.220
Twisted Pair Diameter (±0.02mm)	2.02
<b>Separator</b>	LDPE
<b>Assembly Diameter</b>	<b>5.00mm</b>
<b>Inner Jacket</b>	<b>PVC</b>
Outer Diameter (±0.20mm)	5.80
Average Thickness (mm)	0.40
Min Thickness (mm)	0.35
Rip Cord	Nylon
<b>Outer Jacket</b>	<b>LLDPE</b>
Outer Diameter (±0.10mm)	7.00
Average Thickness (mm)	0.60
Min Thickness (mm)	0.54
Rip Cord	Nylon
<b>Color of Pairs</b>	
Pair 1: Blue, White-Blue	
Pair 2: Orange, White-Orange	
Pair 3: Green, White-Green	
Pair 4: Brown, White-Brown	
<b>Mechanical Characteristics</b>	
Test Object	Jacket
Test Material	LLDPE
Before Tensile Strength (Mpa)	≥10.8
Aging Elongation (%)	≥300
Aging Condition (°Cxhrs)	100x168
After Tensile Strength (Mpa)	≥85% of unaged
Aging Elongation (%)	≥50% of unaged
Cold Bend (-20±2° Cx4hrs)	No Crack
Bend radius	≥100mm

### Marking on Jacket

VERTICAL 4001453 cETLus VERIFIED UTP 4PR 23AWG OUTDOOR  
DIRECT BURIAL UV LLDPE CAT6 600MHz TIA/EIA - 568C.2 RoHS XXXXFT  
(SEQUENTIAL FOOT MARKERS ON JACKET)



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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:

Impedance	1.0~250MHz 100±15Ω
Delay Skew	1.0~250MHz 45nS/100m Max
Pair-to-Ground Capacitance Unbalance	330(pF/100m)
Conductor Resistance	72.2Ω/Km/20°C Max
Mutual Capacitance	56 pF/M Max
DC Resistance Unbalance	5% Max

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (dB/100m)	Next Min (dB)
1	20.0	2.1	74.3
4	23.0	3.8	65.3
8	24.5	5.3	60.8
10	25.0	5.9	59.3
16	25.0	7.5	56.2
20	25.0	8.4	54.8
25	24.3	9.4	53.3
31.25	23.6	10.5	51.9
62.5	21.5	15.0	47.4
100	20.1	19.1	44.3
200	18.0	27.6	39.8
250	17.3	31.1	38.3
300	16.8	34.3	37.1
400	15.9	40.1	35.3
500	15.2	45.3	33.8

Frequency (Mhz)	PSNext Min (dB)	ELFEXT Min(db/100m)	PSELFEXT Min(dB)	DELAY Max(ns/100m)
1	72.3	67.8	64.8	570.0
4	63.3	55.8	52.8	552.0
8	58.8	49.7	46.7	547.0
10	57.3	47.8	44.8	545.0
16	54.2	43.7	40.7	543.0
20	52.8	41.8	38.8	541.0
25	51.3	39.8	36.8	540.0
31.25	49.9	37.9	34.9	539.0
62.5	45.4	31.9	28.9	538.0
100	42.3	27.8	24.8	537.0
200	37.8	21.8	18.8	536.0
250	36.3	19.8	16.8	536.0
300	35.1	18.3	15.3	536.0
400	33.3	15.8	12.8	536.0
500	31.8	13.8	10.8	536.0



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