

CAT6 DIRECT BURIAL UTP (WATER PROOF TAPE)

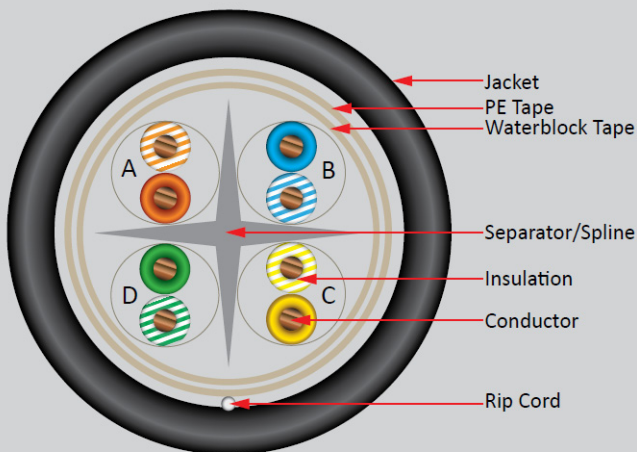
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DESCRIPTION

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

FEATURES

- High-Performance Data Cable
- 600MHz Bandwidth for Data Applications, Fast Ethernet and 155Mbps TP-PMD/CDDI
- Category-6 Unshielded Twisted Pair
- Easily Identified Color-Striped Pairs
- 23AWG Solid Copper Conductors
- Exceeds TIA/EIA-568C.2, ISO/IEC 11801
- CAN/CSA -C22.2 No. 214
- ETL Listed, RoHS Compliant
- 1000ft Wooden Spool



Technical Data

Rated Temperature	-40~70 °C
Rated Voltage	30v
Conductor	Solid Bare Copper
Size	23 AWG
Diameter (mm)	.57
Insulation	PE
Insulation Diameter (±0.01mm)	1.01
Average Thickness (mm)	0.220
Twisted Pair Diameter (±0.02mm)	2.02
Separator	LDPE
Waterblock Tape	Yes
PE Tape	Yes
Assembly Diameter	5.80mm

Jacket

Outer Diameter (±0.10mm)	LLDPE (UV)
Average Thickness (mm)	7.20
Min Thickness (mm)	0.60
Rip Cord	0.54
Jacket Color	Nylon
	Black

Color 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)	≥10.8
Aging Elongation (%)	≥300
Aging Condition (°Cxhrs)	100x168
After Tensile Strength (Mpa)	≥85% of unaged
Aging Elongation (%)	≥50% of unaged
Cold Bend (-40±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 XXXFT
 (SEQUENTIAL FOOT MARKERS ON JACKET)



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Rev. 07/2015

Specs subject to change without notice.

It is the sole responsibility of the user to have the most current specs.

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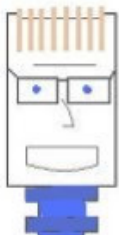
PERFORMANCE

Electrical Characteristics:

Characteristics Impedance	1~500 MHz 100±15Ω
Conductor Resistance	72.2Ω/Km/20°C Max
Mutual Capacitance	56 pF/M Max
Dielectric Strength	AC 1.5 KV/Min
Spark Test	2.5 KV
DC Resistance Unbalance	5% Max
Delay Skew	1~500 MHz 45nS/100m 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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