

CAT6 DIRECT BURIAL STP (WATER PROOF TAPE)



SKU: 069-561/CMXT

DESCRIPTION

Category-6 CMXT, 8-Conductor, Direct Burial, 23AWG Solid-Bare Copper.

FEATURES

- Category-6 Shielded Twisted Pair
- High-Performance Data Cable
- 600MHz Bandwidth for Data Applications
- 23AWG Solid Copper Conductors
- Exceeds TIA/EIA-568C.2, ISO/IEC 11801
- CAN/CSA -C22.2 No. 214
- ETL Listed, RoHS Compliant
- 1,000ft Wooden Spool

Technical Data

Rated Temperature	-40~70 °C
Rated Voltage	30v
Conductor	Solid Bare Copper
Size	23 AWG
Insulation	HDPE
Average Thickness (mm)	0.308
Insulation Diameter (±0.02mm)	1.189
Separator	LDPE

PE Tape

Yes

Waterblock Tape

Yes

Al-Foil

Yes

Drain Wire

0.40mm (TC)

Jacket

LLDPE (UV)

Outer Diameter (±0.2mm)	7.9
Rip Cord	No
Color	Black

Color of Pairs

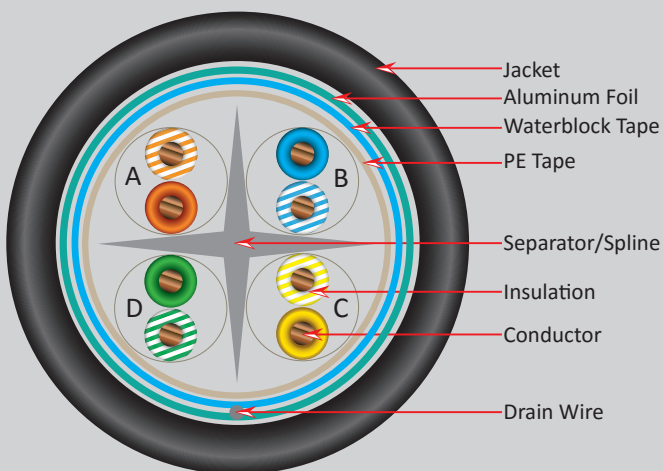
- Pair 1: Blue, White-Blue
- Pair 2: Orange, White-Orange
- Pair 3: Green, White-Green
- Pair 4: Brown, White-Brown

Mechanical Characteristics

Test Object	Jacket
Test Material	LLDPE
Before Tensile Strength (Mpa)	≥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
Bend radius	>100mm

Marking on Jacket

VERTICAL 4009208 cETLus VERIFIED STP 4PR 23AWG OUTDOOR DIRECT BURIAL UV LLDPE CAT6 600MHz TIA/EIA - 568C.2 RoHS XXXFT (SEQUENTIAL FOOT MARKERS ON JACKET)



VERTICAL CABLE

951.696.7772 California
800.749.2447 Florida
845.391.8318 New York



www.verticalcable.com

Rev. 01/2016

Specs subject to change without notice.

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

CAT6 DIRECT BURIAL STP (WATER PROOF TAPE)

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
600	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
600	32.1	12.6	NA

VERTICAL CABLE

951.696.7772 California
800.749.2447 Florida
845.391.8318 New York



www.verticalcable.com

Rev. 01/2016

Specs subject to change without notice.

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