

CAT6 DIRECT BURIAL STP (WATER PROOF TAPE)

Jack2Rack

SKU: 069-561/CMXT

DESCRIPTION

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

FEATURES

- High-Performance Data Cable
- 600MHz Bandwith for Data Applications, Fast Ethernet and 155Mbps TP-PMD/CDDI
- Category-6 Shielded Twisted Pair
- Easily Identified Color-Striped Pairs
- 23AWG Solid Copper Conductors
- Exceeds TIA/EIA-568B.2-1, ISO/IEC 11801
- CAN/CSA -C22.2 No. 214
- ETL Listed
- 1000ft Wooden Spool



27pcs per pallet
(Packaging may vary)

Technical Data

| | |
|-----------------------------------|--------------------------|
| Rated Temperature | 70°C |
| Rated Voltage | 30V |
| Conductor | Solid Bare Copper |
| Size | 23 AWG |
| Insulation | PE |
| Insulation Diameter (±0.01mm) | 1.02 |
| Twisted Pair Diameter (±0.02mm) | 2.04 |
| Seperator | LDPE |
| Assembly Diameter | 6.50mm |
| PE Tape | Yes |
| Waterblock Tape | Yes |
| Al-Foil | Yes |
| Drain Wire (Tinned Copper) | 0.40mm |
| Jacket | LLDPE (UV) |
| Outer Diameter (±0.30mm) | 8.20 |
| Rip Cord | Yes |
| Color | Black |

Color of Pairs

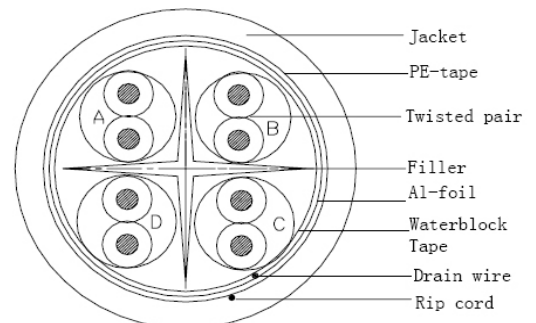
Pair 1:Blue,White-Blue
 Pair 2:Orange,White-Orange
 Pair 3:Green,White-Green
 Pair 4:Brown,White-Brown

Mechanical Characteristics

| | |
|-------------------------------|-----------------|
| Test Object | Jacket |
| Test Material | LLDPE |
| Before Tensile Strength (Mpa) | >=13.8 |
| Aging Elongation (%) | >=100 |
| Aging Condition (°Cxhrs) | 100x168 |
| After Tensile Strength (Mpa) | >=85% of unaged |
| Aging Elongation (%) | >=50% of unaged |
| Cold Bend (-20±2° Cx4hrs) | No Crack |

Marking on Jacket

VERTICAL 4001453 cETLus VERIFIED STP 4PR 23AWG OUTDOOR DIRECT BURIAL UV LLDPE CAT6 600MHz TIA/EIA - 568B.2-1 RoHS XXXFT (SEQUENTIAL FOOT MARKERS ON JACKET)



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Rev. 07/2011

Subject to change without notice.

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PERFORMANCE

Electrical Characteristics:

| | |
|---------------------------|-------------------------|
| Characteristics Impedance | 1~400 MHz 100±15 Ohms |
| Conductor Resistance | 93.8 Ohm/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 | 1~400 MHz 25nS/100m Max |

Electrical Performance

| 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 |

| 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 |

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