

# Cat6 Trunk Cables

Perfect for Backbone and Cross-connect Cabling Systems



## Overview

Cat6 UTP trunk cables provide a fast and simple way of installing backbone and cross-connect cabling. Ideal for data center or SMB where quick installation and consistent network connection. With fast transmission and excellent signal quality, it ensures peak performance through your LAN. Six certified and channel-tested Cat6 cables are bundled together, which cuts down on cable clutter in your cabinet and keep a better airflow.

## Application

- Easy connection in switches and patch panels.
- Rated for any 1/10GBase-T Ethernet.
- Used for copper backbone and cross-connect cabling.

## Key Features

- 6 jack to 6 jack trunk cables
- Blue CMR-rated PVC jacket
- Solid Oxygen-free Copper conductor
- Rated for 250MHz communications
- Designed for 1/10GBase-T Ethernet
- Pass the Fluke Channel Test
- Unshielded female RJ45 connectors on each end
- RoHS, WEEE, ISO9001 compliancy status
- Saves time, space and labor costs
- Each trunk assembly receives an individual identification number

## Specifications

### Product Type

|                           |                                 |
|---------------------------|---------------------------------|
| <b>Category</b>           | CAT6-UTP-6JJ-BE                 |
| <b>Reference Standard</b> | ISO/IEC 11801, ANSI/TIA-568-C.2 |
| <b>Shielding Type</b>     | Unshielded (UTP)                |
| <b>Termination End</b>    | Jack to Jack                    |
| <b>Cable Count</b>        | 6                               |

### Conductor

|                            |                          |
|----------------------------|--------------------------|
| <b>Conductor Material</b>  | Solid Oxygen-free Copper |
| <b>Wire Gauge (AWG)</b>    | 23                       |
| <b>Conductor O.D. (mm)</b> | 0.565 ± 0.005            |
| <b>Conductor Qty.</b>      | 4 Twisted Pairs          |

### Insulation

|                                 |   |
|---------------------------------|---|
| <b>Insulation Material</b>      | HDPE  |
| <b>Insulation Diameter (mm)</b> | 1.02 ± 0.05   |
| <b>Core Color</b>               | A. Orange, White-Orange,<br>B. Blue, White-Blue,<br>C. Green, White-Green,<br>D. Brown, White-Brown |

### Sheath

|                            |                          |
|----------------------------|--------------------------|
| <b>Material</b>            | PVC (Complies RoHS), CMR |
| <b>Outer O.D. (mm)</b>     | 6.2 ± 0.4                |
| <b>Thickness (mm)</b>      | 0.55 ± 0.05              |
| <b>Breakout Length (m)</b> | 0.3                      |
| <b>Surface</b>             | Blue                     |

## Specifications

### Electrical Characteristics (20 °C)

|   |             |
|---|-------------|
| <b>Data Rate Support</b>                          | 1/10GBase-T |
| <b>Standard Bandwidth (MHz)</b>                   | 250         |
| <b>Reference Bandwidth (MHz)</b>                  | 550         |
| <b>1-100MHz, Characteristic Impedance (Ω)</b>     | 100 ± 15    |
| <b>1-100MHz, Delay Skew (ns/100m)</b>             | ≤45         |
| <b>Max. DC Resistance 20°C (Ω/100m)</b>           | 9.38        |
| <b>Max. DC Conductor Resistance Unbalance (%)</b> | 5.0         |

### Mechanical Characteristic

|  |                   |
|--|-------------------|
| <b>Before Aging Tensile Strength (Mpa)</b> | ≥13.5             |
| <b>Before Aging Elongation (%)</b>         | ≥150              |
| <b>Aging Period (°C×hrs)</b>               | 100°C×24h×7d      |
| <b>After Aging Tensile Strength (Mpa)</b>  | ≥12.5             |
| <b>After Aging Elongation (%)</b>          | ≥125              |
| <b>Cold Bend (-20±2°C×4h)</b>              | No Visible Cracks |

### Surface Printing

|                           |           |
|---------------------------|-----------|
| <b>Letter Height (mm)</b> | 3.0 ± 0.3 |
| <b>Color</b>              | Black     |

### Others

|                 |     |
|-----------------|-----|
| <b>Rip Cord</b> | Yes |
|-----------------|-----|



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