

# Cat5e Trunk Cables

Perfect for Backbone and Cross-connect Cabling Systems



## Overview

Cat5e 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 Cat5e cables are bundled together, which cuts down on cable clutter in your cabinet and keeps a better airflow.

## Application

- Easy connection in switches and patch panels.
- Rated for any 1000Base-T Ethernet.
- Used for copper backbone and cross-connect cabling.

## Key Features

- 6 plug to 6 plug trunk cables
- Blue CMR-rated PVC jacket
- Stranded Oxygen-free Copper conductor
- Rated for 100MHz communications
- Designed for 1000Base-T Ethernet
- Unshielded male RJ45 connectors on each end
- Pass the Fluke Channel Test
- 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>	CAT5E-UTP-6PP-BE
<b>Reference Standard</b>	ISO/IEC 11801, ANSI/TIA-568-C.2
<b>Shielding Type</b>	Unshielded (UTP)
<b>Termination End</b>	Plug to Plug
<b>Cable Count</b>	6

### Conductor

<b>Conductor Material</b>	Stranded Oxygen-free Copper
<b>Wire Gauge (AWG)</b>	24 (7/0.20mm)
<b>Conductor Qty.</b>	4 Twisted Pairs

### Insulation

<b>Insulation Material</b>	HDPE
<b>Insulation Diameter (mm)</b>	0.97 ± 0.05
<b>Core Color</b>	A. Orange, White-Orange, B. Blue, White-Blue, C. Green, White-Green, D. Brown, White-Brown

### Sheath

<b>Material</b>	PVC (Complies RoHS), CMR
<b>Outer O.D. (mm)</b>	5.5 ± 0.4
<b>Thickness (mm)</b>	0.55 ± 0.05
<b>Breakout Length (m)</b>	0.3
<b>Color</b>	Blue

## Specifications

### Electrical Characteristics (20°C)

<b>Data Rate Support</b>	1000Base-T
<b>Standard Bandwidth (MHz)</b>	100
<b>Reference Bandwidth (MHz)</b>	350
<b>1-100MHz, Characteristic Impedance (<math>\Omega</math>)</b>	$100 \pm 15$
<b>1-100MHz, Delay Skew (ns/100m)</b>	$\leq 45$
<b>DC Resistance 20°C (<math>\Omega</math>/100m) max</b>	9.5

### Mechanical Characteristic

<b>Before Aging Tensile Strength (Mpa)</b>	$\geq 13.5$
<b>Before Aging Elongation (%)</b>	$\geq 150$
<b>Aging Period (<math>^{\circ}\text{C} \times \text{hrs}</math>)</b>	$100^{\circ}\text{C} \times 24\text{h} \times 7\text{d}$
<b>After Aging Tensile Strength (Mpa)</b>	$\geq 12.5$
<b>After Aging Elongation (%)</b>	$\geq 125$
<b>Cold Bend (<math>-20 \pm 2^{\circ}\text{C} \times 4\text{h}</math>)</b>	No Visible Cracks

### Surface Printing

<b>Letter Height (mm)</b>	$3.0 \pm 0.3$
<b>Color</b>	Black

### Others

<b>Rip Cord</b>	Yes
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