

# Cat5e FTP Bulk Cable

Perfect for Copper Cabling System



## Overview

Cat5e FTP bulk cable is premium cabling designed for Cat5e applications, such as connecting an Ethernet wall jack to a router, patch panel or switch. With fast transmission and excellent signal quality, it ensures peak performance through your LAN. Protected by PVC CMR jacket, the cable is ideal for all non-plenum horizontal cabling system applications, including 10/100/1000Base-T Ethernet.

## Key Features

- 4-pair 8-core twisted pair
- Protected by CMR-rated PVC jacket
- Solid Oxygen-free Copper conductor
- Rated for 100MHz communications
- Designed for 10/100/1000Base-T Ethernet
- Wide opening design, easy to pull out
- Descending length cable markings
- RoHS & ISO9001 compliancy status

## Application

- Indoor horizontal wiring system
- Rated for any 10/100/1000Base-T Ethernet
- Connecting an Ethernet jack to a router, patch panel or switch

## Specifications

### Product Type

<b>Model</b>	C5E-FTPPVCBE-305M
<b>Reference Standard</b>	ISO/IEC 11801, ANSI/TIA-568-C.2
<b>Shielding Type</b>	Shielded (F/UTP)
<b>Cable Length (m)</b>	305 ± 1.5

### Conductor

<b>Conductor Material</b>	Solid Oxygen-free Copper
<b>Wire Gauge (AWG)</b>	24
<b>Conductor Nom.O.D. (mm)</b>	0.50 ± 0.005
<b>Conductor Qty.</b>	4 Twisted Pairs

### Insulation

<b>Insulation Material</b>	HDPE
<b>Insulation Diameter (mm)</b>	1.0 ± 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>External O.D. (mm)</b>	6.2 ± 0.4
<b>Thickness (mm)</b>	0.55 ± 0.05
<b>Color</b>	Blue
<b>Surface</b>	Clean, frap, sation

## Specifications

### Electrical Characteristics (20 °C)

<b>Data Rate Support</b>	10/100/1000Base-T
<b>Standard Bandwidth (MHz)</b>	100
<b>Reference Bandwidth (MHz)</b>	350
<b>1-100MHz Impedance (<math>\Omega</math>)</b>	100 $\pm$ 15
<b>1-100MHz Delay Skew (ns/100m)</b>	$\leq$ 45
<b>Max. Unbalanced-to-ground Capacitance (pf/100m)</b>	330
<b>Max. DC Resistance (<math>\Omega</math>/100m)</b>	9.5
<b>Max. DC Conductor Resistance Unbalance (%)</b>	5.0

### Sheath Physical Properties

<b>Before Aging Tensile Strength (Mpa)</b>	$\geq$ 13.5
<b>Before Aging Elongation (%)</b>	$\geq$ 150
<b>Aging Period (<math>^{\circ}</math>C<math>\times</math>hrs)</b>	100 $^{\circ}$ C $\times$ 24h $\times$ 7d
<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}</math>C<math>\times</math>4h) 8<math>\times</math>Cable O.D.</b>	No Visible Cracks

### Surface Printing

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

## Specifications

### Packing

**Packing Type**

Wooden Tray

**Carton Dimension**

According to the Requires

### Others

**Rip-cord**

Yes

**Drain Wire**

Yes



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