

# Cat6a Trunk Cables

Perfect for Backbone and Cross-connect Cabling Systems



## Overview

Cat6a S/FTP trunk cables provide a fast and simple way of installing backbone and cross-connect cabling. Ideal for data center and 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 Cat6a 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 10GBase-T Ethernet.
- Used for copper backbone and cross-connect cabling.

## Key Features

- 6 jack to 6 jack trunk cables
- Off-White CMR-rated PVC jacket
- Solid Oxygen-free Copper conductor
- Rated for 500MHz communications
- Designed for 10GBase-T Ethernet
- Shielded female RJ45 connectors on each end
- 100% pass the Fluke Channel Test
- RoHS & ISO9001 compliancy status
- Saves time, space and labor costs
- Each trunk assembly receives an individual identification number

## Specifications

### Product Type

<b>Category</b>	CAT6A-SFTP-6JJ-OW
<b>Reference Standard</b>	ISO/IEC 11801, ANSI/TIA-568-C.2
<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>	Skin-foam-skin PE
<b>Insulation Diameter (mm)</b>	1.330 ± 0.05
<b>Core Color</b>	A. White/Blue, B. White/Orange, C. White/Green, D. White/Brown

### Shield

<b>Shielding Type</b>	Shielded (S/FTP)
<b>Inner Screening Material</b>	AL/Mylar
<b>Outer Screening Material</b>	Tinned Copper 0.10mm
<b>Outer Screening Material Coverage</b>	≥40%

## Specifications

### Sheath

<b>Material</b>	PVC(complies RoHS), CMR
<b>Outer O.D. (mm)</b>	7.5 ± 0.5
<b>Thickness (mm)</b>	0.55 ± 0.05
<b>Breakout Length (m)</b>	0.3
<b>Color</b>	Off-White

### Electrical Characteristics (20 °C)

<b>Data Rate Support</b>	10GBase-T
<b>Standard Bandwidth (MHz)</b>	500
<b>1-250MHz Impedance (Ω)</b>	100 ± 15
<b>250-500MHz Impedance (Ω)</b>	100 ± 22
<b>1-500MHz Delay Skew (ns/100m)</b>	≤45
<b>Max. Unbalanced-to-ground capacitance (pf/100m)</b>	330
<b>Max. DC Resistance (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) 8×Cable O.D.</b>	No Visible Cracks

## Specifications

### Surface Printing

**Letter Height (mm)**

3.0 ± 0.3

**Color**

Black

### Others

**Rip-cord**

Yes



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