

Cat6a SFTP Bulk Cable

Perfect for Copper Cabling System



Overview

Cat6a SFTP bulk cable is premium cabling designed for Cat6a 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 10G Base-T Ethernet.

Application

- Indoor horizontal wiring system.
- Rated for 10GBase-T Ethernet.
- Connecting an Ethernet jack to a router, patch panel or switch.

Key Features

- 4-pair 8-core twisted pair
- Protected by CMR-rated PVC jacket
- Solid Oxygen-free Copper conductor
- Rated for 500MHz communications
- Designed for 10GBase-T Ethernet
- Wide opening design, easy to pull out
- Descending length cable markings
- RoHS & ISO9001 compliancy status

Specifications

Product Type

Model

C6A-SFTPPVCBE-305M

Reference Standard

ISO/IEC 11801, ANSI/TIA-568-C.2

Cable Length (m)

305 ± 1.5

Conductor

Conductor Type

Solid Oxygen-free Copper

Wire Gauge (AWG)

23

Conductor Nom.O.D. (mm)

0.560 ± 0.005

Conductor Qty.

4 Twisted Pairs

Insulation

Insulation Material

Skin-foam-skin PE

Insulation Diameter (mm)

1.330 ± 0.05

Core Color

A. White- Blue/Blue,
 B. White-Orange/Orange,
 C. White- Green/Green,
 D. White- Brown/Brown

Shield

Shielding Type

Shielded (S/FTP)

Inner Screening Material

Al / Mylar

Outer Screening Material

Tinned Copper 0.10mm

Outer Screening Coverage

≥40%

Sheath

Material

PVC (Complies RoHS), CMR

External O.D. (mm)

7.5 ± 0.5

Specifications

Thickness (mm) 0.55 ± 0.05

Color Blue

Surface Clean, Frap, Satiation

Electrical Characteristics (20 °C)

Data Rate Support 10GBase-T

Standard Bandwidth (MHz) 500

Reference Bandwidth (MHz) 550

1-250MHz Impedance (Ω) 100 ± 15

250-500MHz Impedance (Ω) 100 ± 22

1-500MHz Delay Skew (ns/100m) ≤45

Max. Unbalanced-to-ground Capacitance (pf/100m) 330

Max. DC Resistance (Ω/100m) 9.38

Max. DC Conductor Resistance Unbalance (%) 5.0

Sheath Physical Properties

Before Aging Tensile Strength (Mpa) ≥13.5

Before Aging Elongation (%) ≥150

Aging Period (°C×hrs) 100°C×24h×7d

After Aging Tensile Strength (Mpa) ≥12.5

After Aging Elongation (%) ≥125

Cold Bend (-20 ± 2°C×4h) No Visible Cracks

Specifications

Surface Printing

Letter Height (mm)

3.0 ± 0.3

Color

Black

Packing

Packing Type

Wooden Tray

Carton Dimension

According to the Requires

Others

Rip Cord

Yes

Drain Wire

No



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