



COMMUNICATIONS

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# PRODUCT SPECIFICATION

## S/FTP CABLE, CATEGORY 7<sub>A</sub> (1200MHz), PVC SHEATH

### INTRODUCTION

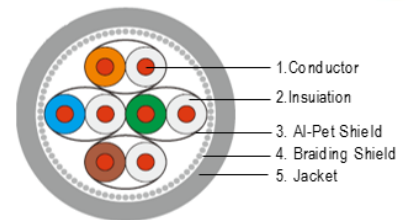
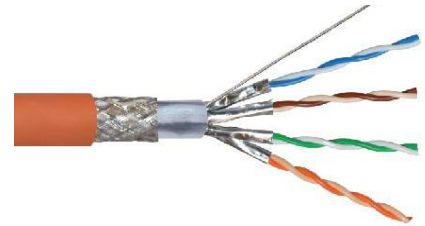
Category 7<sub>A</sub> (Augmented) S/FTP cable (ISO/IEC 11801 class F<sub>A</sub>), operates at frequencies up to 1200MHz and designed for multiple applications including 40 Gigabit Ethernet, 100 Gigabit Ethernet and CATV (862MHz).

### CAT7<sub>A</sub> S/FTP CABLE

The 4-pair Category 7<sub>A</sub> S/FTP cable is composed of 23 AWG (0.62) solid bare copper conductors and fully complied with ISO/IEC11801 Class F<sub>A</sub> standard.

Shielding for individual copper conductor pairs and cable has been added to enhance performance against crosstalk and attenuation. The cable sheath is marked with meter which allows simple and easy calculation of the cable remaining in the box.

The Category 7<sub>A</sub> cable is rated for transmission up to 1200Mhz within 100 meters.



### FEATURES

- Conforms to Category 7<sub>A</sub> standards
- 23 AWG bare solid copper conductor
- Available in PVC or LSZH jacket
- 25-year system warranty available

### REFERENCE STANDARDS

- RoHs/REACH complied
- Flame Test:  
CM - UL1685 | CMR – UL1666 | CMP – UL910
- ISO/IEC 11801 Class F<sub>A</sub>; TIA/EIA-568-D.2

### APPLICATIONS

- 10BASE-T (Ethernet);
- 100BASE-T (Fast Ethernet);
- 1000BASE-T (Gigabit Ethernet);
- 10GBase-T (Gigabit Ethernet);
- Supports IEEE802.3.bt (Type 4)

### SPECIFICATIONS

**Product Number:** CCSF7A004CMRXX (XX = Color Code)

**Category:** CAT7<sub>A</sub>

**Conductor:** Solid Bare Copper  
0.62mm Norm.O.D.  $\pm 0.01$

**Insulation:** Skin-Foam PE; Diameter  $1.45 \pm 0.1$ mm

**Inner Screening Material:** Aluminum Foil

**Outer Screening Material:** Tinned Copper Cladded Aluminum 0.12mm  
Coverage  $\geq 30\% \pm 5\%$

**Sheath:** Thickness:  $0.55 \pm 0.05$ mm  
External O.D.:  $8.2 \pm 0.2$ mm  
Surface: Clean  
Material: PVC

**Surface Printing:** Letter height:  $3.0 \pm 0.3$ mm  
Color: Black  
Print error & space:  $\leq \pm 0.5\%, 1$ m

**Core Color** 1 White-Blue/Blue; 2 White-Orange/Orange  
3 White-Green/Green; 4 White-Brown/Brown

**Electrical Characteristics (20°C)**  
1-100MHz Impedance ( $\Omega$ )  $100 \pm 15$   
100-250MHz Impedance ( $\Omega$ )  $100 \pm 20$   
250-500MHz Impedance ( $\Omega$ )  $100 \pm 25$   
500-1000MHz Impedance ( $\Omega$ )  $100 \pm 30$   
1000-1200MHz Impedance ( $\Omega$ )  $100 \pm 32$   
DC Resistance ( $\Omega/100$ m) max: 7.2

**Packing:** Wooden Drum

**Packing Length:**  $500 \pm 1.5$ m

**Rip-cord:** No

**Drain Wire:** No

**Installation Temperature:**  $0^\circ\text{C} \sim +50^\circ\text{C}$

**Operating Temperature:**  $-30^\circ\text{C} \sim +50^\circ\text{C}$



The information and specification in this document are subjected to change without notice