



COMMUNICATIONS

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## PRODUCT SPECIFICATION

# S/FTP CABLE, CATEGORY 6<sub>A</sub> (650MHz), PVC SHEATH

### INTRODUCTION

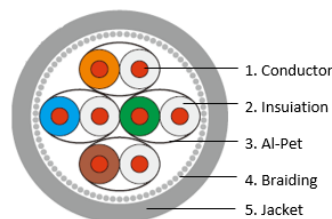
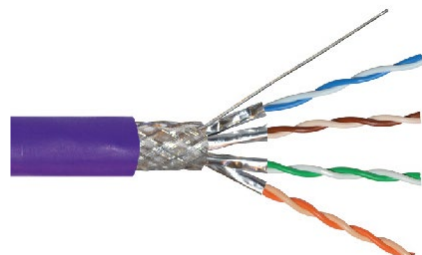
Category 6<sub>A</sub> S/FTP cable is used in high-speed Ethernet based computer networks of 10 Gbps or higher. The Category 6<sub>A</sub> S/FTP cable is backward compatible with Cat 6, Cat 5 and Cat 5e cabling standard and equipment. The Category 6<sub>A</sub> S/FTP cable allows transmission at 10 Gigabit Ethernet in 100 meters.

### CAT6<sub>A</sub> S/FTP CABLE

The Category 6<sub>A</sub> S/FTP cable is composed of 23 AWG (0.56) solid bare copper conductors. Each twisted pair is with individual aluminum foil shielding and being wrapped in an overall braid screen. It is fully complied with ISO/IEC11801 Class E<sub>A</sub> and TIA/EIA-568-D.2 standards.

The cable sheath is marked with meter which allows simple and easy calculation of the cable remaining in the box. A cable measurement record table is printed on each box to help installers keep track of the lengths used.

The solution is suitable for all Category 6<sub>A</sub> copper network cabling.



### FEATURES

- Conforms to Category 6A 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 E<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

<b>Product Number:</b>	CSSF6A004CMG-XX (XX = Color Code, CM) CSSF6A004CMR-XX (XX = Color Code, CMR) CSSF6A004CMP-XX (XX = Color Code, CMP)	<b>Electrical Characteristics (20°C)</b>	1-100MHz Impedance (Ω) 100±15 100-250MHz Impedance (Ω) 100±20 250-650MHz Impedance (Ω) 100±25 DC Resistance( Ω/100m) max: 8.6
<b>Category:</b>	CAT6 <sub>A</sub>	<b>Packing:</b>	Wooden Drum
<b>Conductor:</b>	Solid Bare Copper 0.56mm Norm O.D. ±0.01	<b>Packing Length:</b>	500±1.5m
<b>Insulations:</b>	Skin-foam-skin PE; Diameter 1.33±0.1mm	<b>Rip-cord:</b>	No
<b>Screening Material:</b>	Aluminum Foil	<b>Drain Wire:</b>	No
<b>Sheath:</b>	Thickness: 0.55±0.05mm External O.D.: 7.6± 0.2mm Surface: Clean Material: LZSH Color: According to the requirement	<b>Installation Temperature:</b>	0°C ~ +50°C
<b>Surface Printing:</b>	Letter height: 3.0±0.3mm Color: Black Print error & space: ≤ ±0.5%,1m	<b>Operation Temperature:</b>	-30°C ~ +50°C
<b>Core Color</b>	1 White-Blue/Blue; 2 White-Orange/Orange 3 White-Green/Green; 4 White-Brown/Brown		

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

