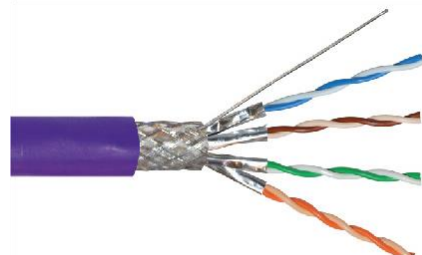# PRODUCT SPECIFICATION
S/FTP CABLE, CATEGORY 6_A (650MHz), PVC SHEATH
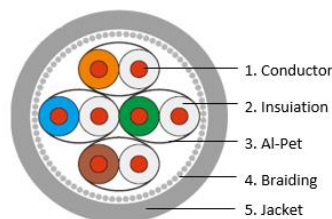
INTRODUCTION

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

CAT6$_A$ S/FTP CABLE

The Category 6_A 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_A 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_A copper network cabling.

1. Conductor
2. Insulation
3. Al-Pet
4. Braiding
5. Jacket

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_A; TIA/EIA-568-D.2

APPLICATIONS

- 10BASE-T (Ethernet)
- 100BASE-T (Fast Ethernet)
- 1000BASE-T (Gigabit Ethernet)
- 10GBase-T
- IEEE802.3.an

SPECIFICATIONS

Product Number:	CCSF6A004CMG-XX (XX = Color Code, CM) CCSF6A004CMR-XX (XX = Color Code, CMR) CCSF6A004CMP-XX (XX = Color Code, CMP)	**Electrical Characteristics (20°C)**	1-100MHz Impedance (Ω) 100$\pm$15 100-250MHz Impedance (Ω) 100$\pm$20 250-650MHz Impedance (Ω) 100$\pm$25 DC Resistance(Ω/100m) max: 8.6
Category:	CAT6$_A$		
Conductor:	Solid Bare Copper 0.56mm Norm O.D. $\pm$0.01		
		Packing:	Wooden Drum
Insulations:	Skin-foam-skin PE; Diameter 1.33$\pm$0.1mm	**Packing Length:**	500$\pm$1.5m
Screening Material:	Aluminum Foil	**Rip-cord:**	No
Sheath:	Thickness: 0.55$\pm$0.05mm External O.D.: 7.6$\pm$ 0.2mm Surface: Clean Material: LZSH Color: According to the requirement	**Drain Wire:**	No
		Installation Temperature:	0°C ~ +50°C
		Operation Temperature:	-30°C ~ +50°C
Surface Printing:	Letter height: 3.0$\pm$0.3mm Color: Black Print error & space: ≤ $\pm$0.5%,1m		
Core Color	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