

# PRODUCT SPECIFICATION

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

### INTRODUCTION

Lux Category 6<sub>A</sub> F/FTP cable is individual shielded with aluminum foil for each twisted pair and all four pairs are wrapped by an overall metallic foil. The foil shield twisted pair protects the cable from external EMI from entering or exiting the cable and neighboring crosstalk.

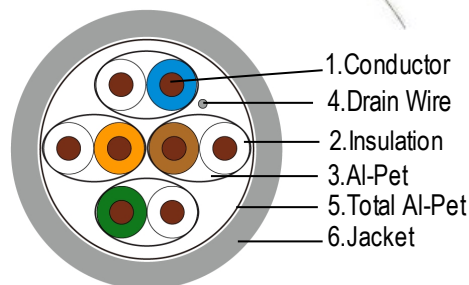
The shielded cable enhances data throughput in harsh EMI environments and improves the performance standards for twisted pair cable systems. The improvement shows practically in the realm of alien crosstalk as compared to UTP cables.

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

The Category 6<sub>A</sub> F/FTP cable is composed of 23 AWG (0.55) solid bare copper conductors and fully complied with ISO/IEC11801 Class E<sub>A</sub> and TIA/EIA-568-D.2.

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 6<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: IEC60332-1
- Acid Gas Test: IEC60754-1&2
- Smoke Test: IEC61034-1&2
- ISO/IEC 11801 Class E<sub>A</sub>; TIA/EIA-568-D.2

### APPLICATIONS

- 10GBASE-T Ethernet
- Data Center
- Virtual business management
- Noisy Environments

### SPECIFICATIONS

<b>Product Number:</b>	CCFF6A004LSZ-XX (XX = Color Code)	<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 0.55mm Norm O.D. ±0.01	<b>Packing Length:</b>	500±1.5m
<b>Insulations:</b>	Skin-foam-skin PE; Diameter 1.35±0.1mm	<b>Rip-cord:</b>	No
<b>Screening Material:</b>	Aluminum Foil	<b>Drain Wire:</b>	Yes
<b>Sheath:</b>	Thickness: 0.55±0.05mm External O.D.: 7.2± 0.1mm Surface: Clean Material: LZSH Color: According to the requirement	<b>Installation Temperature:</b>	-20°C ~ + 60°C
<b>Surface Printing:</b>	Letter height: 3.0±0.3mm Color: Black Print error & space: ≤ ±0.5%,1m	<b>Operation Temperature:</b>	-20°C ~ + 60°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