PRODUCT SPECIFICATION
F/FTP CABLE, CATEGORY 6_A (650MHz), LSZH SHEATH

INTRODUCTION

Lux Category 6_A 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.
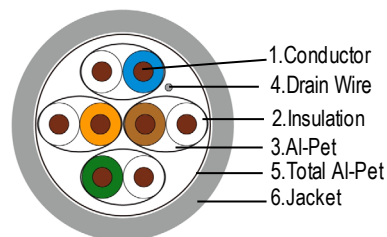
The shielded cable enhances data throughput in harsh EMI environments and improves the performance standards for twisted pair cable systems. The improvement shows practically in the realm of alien crosstalk as compared to UTP cables.

CAT6$_A$ F/FTP CABLE

The Category 6_A F/FTP cable is composed of 23 AWG (0.55) solid bare copper conductors and fully complied with ISO/IEC11801 Class E_A 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_A copper network cabling.

1. Conductor
4. Drain Wire
2. Insulation
3. Al-Pet
5. Total Al-Pet
6. Jacket

FEATURES

- Conforms to Category 6_A 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: IEC60754-2
- Smoke Test: IEC61034-2
- ISO/IEC 11801 Class E_A; TIA/EIA-568-D.2; EN 50173-1

APPLICATIONS

- 10BASE-T (Ethernet);
- 100BASE-T (Fast Ethernet);
- 1000BASE-T (Gigabit Ethernet);
- 10GBase-T (Gigabit Ethernet);
- Supports IEE802.3.bt (Type 4)

SPECIFICATIONS

Product Number:	CCFF6A004LSZ-XX (XX = Color Code)	**Electrical Characteristics (20°C)**	1-100MHz Impedance (Ω) 100±15
Category:	CAT6$_A$		100-250MHz Impedance (Ω) 100±20
Conductor:	Solid Bare Copper 0.55mm Norm O.D. ±0.01		250-650MHz Impedance (Ω) 100±25 DC Resistance(Ω/100m) max: 8.6
Insulations:	Skin-foam-skin PE; Diameter 1.35±0.1mm	**Packing:**	Wooden Drum
Screening Material:	Aluminum Foil	**Packing Length:**	500±1.5m
Sheath:	Thickness: 0.55±0.05mm External O.D.: 7.2± 0.1mm Surface: Clean Material: LZSH Color: According to the requirement	**Rip-cord:**	No
		Drain Wire:	Yes
		Installation Temperature:	-20°C ~ + 60°C
Surface Printing:	Letter height: 3.0±0.3mm Color: Black Print error & space: ≤ ±0.5%,1m	**Operation Temperature:**	-20°C ~ + 60°C
Core Color	1 White-Blue/Blue; 2 White-Orange/Orange 3 White-Green/Green; 4 White-Brown/Brown		