PRODUCT SPECIFICATION
F/UTP CABLE, CATEGORY 6 (250MHz), LSZH SHEATH

INTRODUCTION

Lux Category 6 F/UTP cable is with an overall foil shield (F) and unscreened twisted pairs (UTP). The overall foil shield helps to prevent EMI from entering or exiting the cable and protects the system from harsh EMI environments to optimize data throughput.
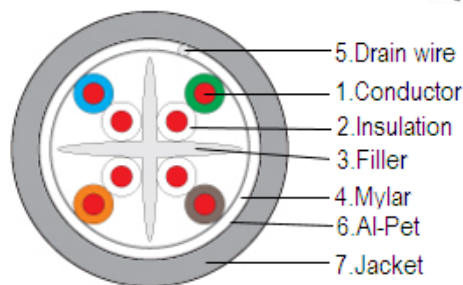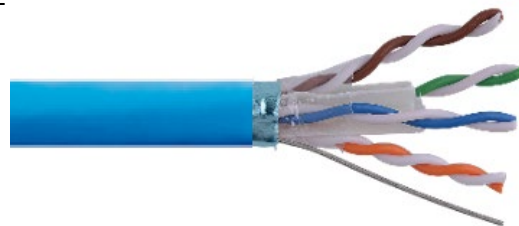
The cable is used for 10/100/1000BASE-T applications perform to the workstation or tie cable up to cable segment of 100 meters. With well design and installation planning, the Category 6 F/UTP cable can support 10GBASE-T applications with cable lengths from 37 meters up to 55 meters.

CAT6 F/UTP CABLE

The 4-pair Category 6 F/UTP cable is composed of 23 AWG (0.54) solid bare copper conductors and fully complied with ISO/IEC11801 Class E 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 copper network cabling.

5. Drain wire
1. Conductor
2. Insulation
3. Filler
4. Mylar
6. Al-Pet
7. Jacket

FEATURES

- Conforms to Category 6 standards
- 23 AWG bare solid copper conductor
- 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; TIA/EIA-568-D.2

APPLICATIONS

- 10BASE-T (Ethernet);
- 100BASE-TX (Fast Ethernet);
- 1000BASE-T (Gigabit Ethernet);
- IEEE 802.3bt (Type 4)

SPECIFICATIONS

Product Number:	CCFU6X004LSZ-XX (XX = Color Code)	**Electrical Characteristics (20°C)**	1-100MHz Impedance (Ω) 100±15 100-250MHz Impedance (Ω) 100±20 DC Resistance(Ω/100m) max: 9.2
Category:	CAT6		
Conductor:	Solid Bare Copper 0.54mm Norm O.D. ±0.01	**Packing:**	Wooden drum
Insulations:	Solid PE; Diameter 1.05±0.08mm	**Packing Length:**	500±1.5m
Screening Material:	Aluminum Foil	**Rip-cord:**	No
Sheath:	Thickness: 0.55±0.05mm External O.D.: 7.2± 0.20mm Surface: Clean, Frap, Satiation Material: LSZH Color: According to the requirement	**Drain Wire:**	Yes
		Installation Temperature:	0°C ~ +50°C
Surface Printing:	Letter height: 3.0±0.3mm Color: Black Print error & space: ≤ ±0.5%,1m	**Operation Temperature:**	-30°C ~ +50°C
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