



# PRODUCT SPECIFICATION

## F/UTP CABLE, CATEGORY 6 (250MHz), PVC 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, also protects the system from harsh EMI environments to optimize data throughput.

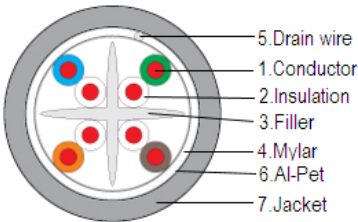
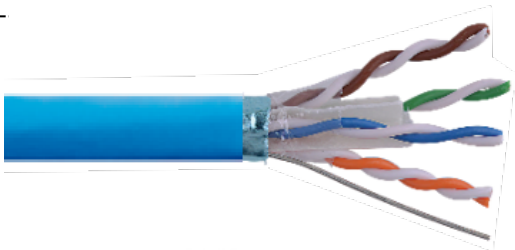
The cable is used for 10/100/1000BASE-T applications perform to the workstation or tie cable up to cable segment of 100 meters. With well design and installation planning, the Category 6 F/UTP cable can support 10GBASE-T applications with cable lengths from 37 meters up to 55 meters.

### CAT6 F/UTP CABLE

The 4-pair Category 6 F/UTP cable is composed of 23 AWG (0.54mm) solid bare copper conductors and fully complied with ISO/IEC11801 Class E and TIA/EIA-568.2-E 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.



### FEATURES

- Conforms to Category 6 standards
- 23 AWG bare solid copper conductor
- PVC jacket
- 25-year system warranty available

### REFERENCE STANDARDS

- RoHs/REACH complied
- Flame Test:  
CM - UL1685 | CMR – UL1666 | CMP – UL910
- ISO/IEC 11801-1 Class E; TIA/EIA-568.2-E;  
EN 50173-1

### APPLICATIONS

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

### SPECIFICATIONS

|                            |                                                                                                                                                 |                                          |                                                                                                     |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Product Number:</b>     | CCFU6X004CMG-XX (XX = Color Code; CM)<br>CCFU6X004CMR-XX (XX = Color Code; CMR)<br>CCFU6X004CMP-XX (XX = Color Code; CMP)                       | <b>Electrical Characteristics (20°C)</b> | 1-100MHz Impedance (Ω) 100±15<br>100-250MHz Impedance (Ω) 100±20<br>DC Resistance( Ω/100m) max: 9.2 |
| <b>Category:</b>           | CAT6                                                                                                                                            | <b>Packing:</b>                          | Wooden Drum                                                                                         |
| <b>Conductor:</b>          | Solid Bare Copper<br>0.54 Nom.O.D. ±0.01mm                                                                                                      | <b>Packing Length:</b>                   | 500±1.5m                                                                                            |
| <b>Insulations:</b>        | Solid PE; Diameter 1.05±0.08mm                                                                                                                  | <b>Rip-cord:</b>                         | No                                                                                                  |
| <b>Screening Material:</b> | Aluminum Foil                                                                                                                                   | <b>Drain Wire:</b>                       | Yes                                                                                                 |
| <b>Sheath:</b>             | Thickness: 0.60±0.05mm<br>External O.D.: 7.20± 0.2mm<br>Surface: Clean, Frap, Satiation<br>Material: PVC<br>Color: According to the requirement | <b>Installation Temperature:</b>         | 0°C ~ +50°C                                                                                         |
| <b>Surface Printing:</b>   | Letter height: 3.0±0.3mm<br>Color: Black<br>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<br>3 White-Green/Green; 4 White-Brown/Brown                                                            |                                          |                                                                                                     |

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

