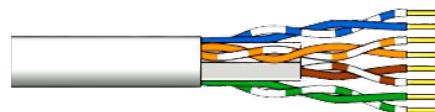# PRODUCT SPECIFICATION
## U/UTP CABLE, CATEGORY $6_A$ (650Mhz), PVC SHEATH
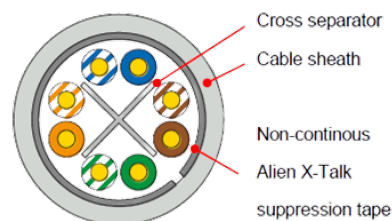
### INTRODUCTION

Category $6_A$ (Augmented) U/UTP Copper Network Cabling Solution improves the performance standards for twisted pair cable systems, especially in the realm of alien crosstalk compared to Category 6. The Category $6_A$ U/UTP cable with a frequency of 650MHz can transmit data at 10BASE-T, 100BASE-TX, 1000BASE-T and 10G BASE-T.



### CAT6$_A$ U/UTP CABLE

The Category $6_A$ U/UTP cable is composed of 23 AWG (0.57) solid bare copper conductors and 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.



| FEATURES | REFERENCE STANDARDS | APPLICATIONS |
|---|---|---|
| • Conforms to Category $6_A$ standards<br>• 23 AWG bare solid copper conductor<br>• Available in PVC or LSZH jacket<br>• 25-year system warranty available | • RoHs/REACH complied<br>• Flame Test:<br>CM - UL1685 \| CMR - UL1666 \| CMP - UL910<br>• ISO/IEC 11801 Class $E_A$; TIA/EIA-568-D.2 | • 10BASE-T (Ethernet)<br>• 100BASE-T (Fast Ethernet)<br>• 1000BASE-T (Gigabit Ethernet)<br>• 10GBASE-T (Gigabit Ethernet)<br>• Supports IEE802.3.bt (Type 4) |

### SPECIFICATIONS

| | | | |
|---|---|---|---|
| **Product Number:** | CCUU6A004CMG-XX (XX = Color Code; CM)<br>CCUU6A004CMR-XX (XX = Color Code; CMR)<br>CCUU6A004CMP-XX (XX = Color Code; CMP) | **Electrical Characteristics (20°C)** | 1-100MHz Impedance (Ω) 100±15<br>100-250MHz Impedance (Ω) 100±20<br>250-650MHz Impedance (Ω) 100±25<br>DC Resistance( Ω/100m) max: 8.5 |
| **Category:** | CAT6$_A$ | | |
| **Conductor:** | Solid Bare Copper<br>0.57mm Norm.O.D. ±0.01 | **Packing:** | Wooden Drum |
| | | **Carton:** | 40.5cm*40.5cm*21cm |
| **Insulation:** | HDPE; Diameter 1.11±0.03mm | **Packing Length:** | 500±1.5m |
| **Sheath:** | Thickness: 0.70±0.05mm (Avg.)<br>External O.D.: 7.4± 0.2mm<br>Surface: Clean, Frap, Satiation<br>Material: PVC<br>Color: According to the requirement | **Rip-cord:** | No |
| | | **Drain Wire:** | No |
| | | **Installation Temperature:** | 0°C ~ +50°C |
| **Surface Printing:** | Letter height: 3.0±0.3mm<br>Color: Black<br>Print error & space: ≤ ±0.5%,1m | **Installation Temperature:** | -30°C ~ +50°C |
| **Core Color** | 1 White-Blue/Blue; 2 White-Orange/Orange<br>3 White-Green/Green; 4 White-Brown/Brown | | |