



COMMUNICATIONS

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# PRODUCT SPECIFICATION

## U/UTP CABLE, CATEGORY 6<sub>A</sub> (500 MHz), LSFRZH SHEATH

### INTRODUCTION

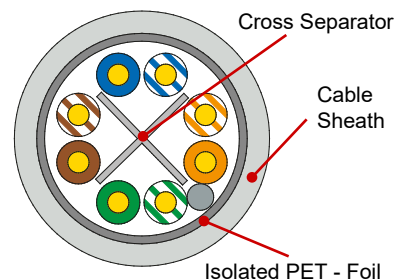
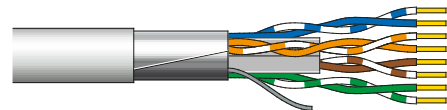
Category 6<sub>A</sub> (Augmented) U/UTP Copper Network Cabling Solution improves the performance standard for twisted pair cable systems, especially in the realm of alien crosstalk compared to Category 6. The Category 6<sub>A</sub> U/UTP cable with a frequency of 500MHz can transmit data at 10BASE-T, 100BASE-TX, 1000BASE-T and 10GBASE-T.

### CAT6<sub>A</sub> U/UTP CABLE

The Category 6A U/UTP cable is composed of 23 AWG (0.555) solid bare copper conductors with a single PET – foil as an overall screen. It fully complies with ISO/IEC11801 Class EA 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<sub>A</sub> copper network cabling.



### FEATURES

- Conforms to Category 6<sub>A</sub> standards
- 23 AWG bare solid copper conductor
- LSFRZH jacket
- 25-year system warranty available

### REFERENCE STANDARDS

- RoHs/REACH complied
- Flame Test: IEC60332-1&2 & 60332-3-22
- Acid Gas Test: IEC60754-2
- Smoke Test: IEC61034-2
- ISO/IEC 11801 Class E<sub>A</sub>; ANSI/TIA-568-D.2; EN 50173-1

### APPLICATIONS

- 10BASE-T (Ethernet);
- 100BASE-T (Fast Ethernet);
- 1000BASE-T (Gigabit Ethernet);
- 10GBase-T (Gigabit Ethernet);
- Supports IEEE802.3.bt (Type 4)

### SPECIFICATIONS

<b>Product Number:</b>	CCUU6A004LSR-XX (XX = Color Code)	<b>Mean Electrical Characteristics (20°C)</b>	100 ± 15 Ω DC Loop Resistance( Ω/100m) ≤ 18.8 Ω
<b>Category:</b>	CAT6 <sub>A</sub>	<b>Nominal velocity of propagation:</b>	Approx. 64 %
<b>Conductor:</b>	Solid Bare Copper 0.555mm Norm O.D. ±0.01	<b>Packing:</b>	Wooden Drum
<b>Insulation:</b>	HDPE; Diameter 1.11±0.03mm	<b>Carton:</b>	40.5cm*40.5cm*21cm
<b>Sheath:</b>	Thickness: 0.70±0.05mm (Avg.) External O.D.: 7.2± 0.2mm Surface: Clean, Frap, Satiation Material: LSFRZH Color: According to the requirement	<b>Packing Length:</b>	500±1.5m
<b>Surface Printing:</b>	Letter height: 3.0±0.3mm Color: Black Print error & space: ≤ ±0.5%,1m	<b>Rip-cord:</b>	No
<b>Core Color</b>	1 White-Blue/Blue; 2 White-Orange/Orange 3 White-Green/Green; 4 White-Brown/Brown	<b>Drain Wire:</b>	No
		<b>Installation Temperature:</b>	0°C ~ +60°C
		<b>Operation Temperature:</b>	-20°C ~ + 75°C

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

