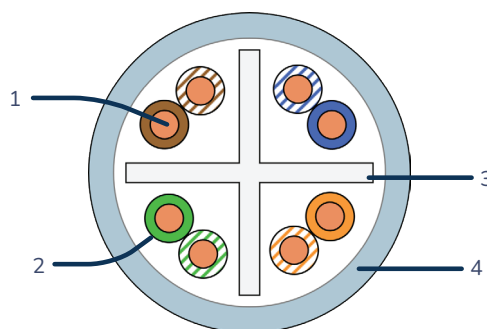
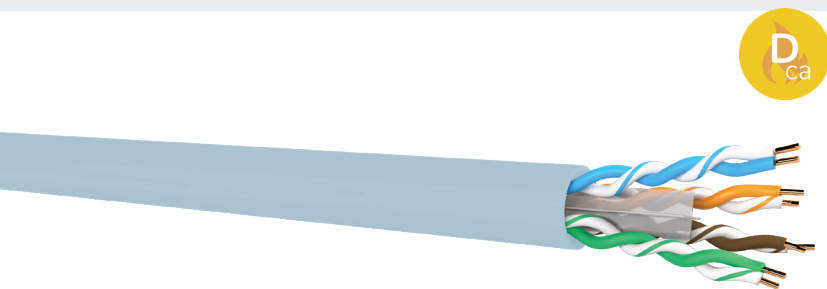


# KCU6A4PLZHDx

Cat.6a cable U/UTP LSZH Dca 4 pairs AWG23



- |                         |   |
|-------------------------|---|
| 1. Conductor : AWG23    | 3. Filler : PE cross                    |
| 2. Insulation: Solid PE | 4. Jacket : LSZH Light blue<br>RAL 5024 |

## UNIK ✓

- ✓ Compliant to ISO 11801 Class Ea
- ✓ Jacket LSZH Dca EN50575
- ✓ Tested up to 500 MHz

## THE PURPOSE

The Unikkern Cat6a U/UTP cable AWG 23, rigorously tested to TIA/EIA 568.D-2 and ISO/IEC 11801 Cat6a standards, ensures dependable performance for copper infrastructure. Available in 305m and 500m lengths, it supports link performance up to 90m thanks to Unikkern's advanced assembly technology, making it appropriate for 1G BASE T, 2.5G BASE T, and 5G BASE T applications. Encased in an LSZH sheath that meets CPR Euroclass Dca, this cable is distinguished by its flexibility and smaller outer diameter, facilitating installation in spaces where space is at a premium.

## COMPLIANCE

### Cable standard

IEC 60156-5:2020 Cat6a

### System

ISO/IEC 11801-1:2017 Class Ea  
TIA 568.2-D Cat6a

### Applications

IEEE 802.3 : 1G, 2,5G & 5G BASE T  
IEEE 802.3 POE : Type 1 & 4, up to 90w

## THE STRUCTURE

**Conductor :** Solid copper AWG23

**Insulation :** Solid polyethylen 1.0+/- 0,03mm

**Color coding :** Blue/White-blue, Orange/white-orange, Green/White-green, Brown/White-brown

**Assembly :** Polyethylen minicross filler

**Jacket :** LSZH Light Blue RAL 5024

**Marking :** UNIKKERN DATA CABLE U/UTP CAT6A x PAIRS AWG23 100OHM 500MHZ NVP 75% EN50575 Dca-IEC 61156-5/ISO11801/TIA-EIA 568.2-D CE LSZH xxxxxxM



# KCU6A4PLZHDx

Cat.6a cable U/UTP LSZH Dca 4 pairs AWG23



## TECHNICALITIES

Loop resistance (DC max) at 20°C : 95 Ω/Km

Insulation resistance (min) : 5 GΩ\*Km

Mutual capacitance : 56+/- 5 nF/Km

Capacitance unbalance at 1khz (pair to ground) : 1600 pF/Km

Resistance unbalance (pair to pair) : 2%

Nominal voltage : 150V

Voltage Test : AC 50hz : 700V / DC : 1000V

Characteristic Impedance at 100 Mhz : 100 ohms+/- 5%

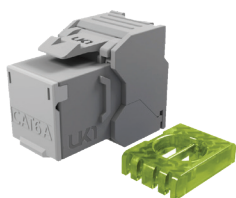
Nominal velocity propagation : 75%

Fire behavior : IEC 60332-1

## PURCHASE INFO

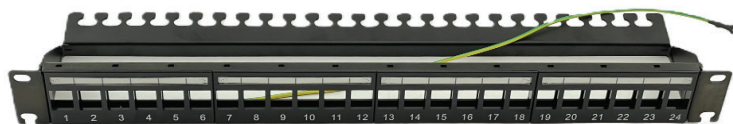
Category	Shielding	Item	Designation	Diameter (nom)	Weight (kg/Km)	Packing
Cat.6a	U/UTP	KCU6A4PLZHDBL5	Cable 4 pairs Cat.6a U/UTP awg23 LSZH Dca	6.2 mm	37	D500M
Cat.6a	U/UTP	KCU6A4PLZHDBLB	Cable 4 pairs Cat.6a U/UTP awg23 LSZH Dca	6.2 mm	37	B305M

## EXTRAS



### KJ6AUHQx

Cat6a keystone jack unshielded



### KJPP1UBCTEF

Patch panel 1U 24 ports RJ45



[www.unikkern.com](http://www.unikkern.com)

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