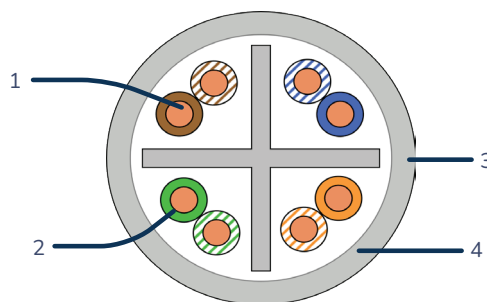


# KCU6xPLZHD

Cat.6 cable U/UTP LSZH Dca 4 pairs AWG24



## UNIK ✓

- ✓ Small outer diameter and flexible cable
- ✓ Compliant to ISO 11801 Class E.
- ✓ Jacket LSZH Dca EN50575

- 1. Conductor : AWG24
- 2. Insulation: Solid PE
- 3. Filler : PE cross
- 4. Jacket : LSZH RAL 7035

## APPLICATIONS & PERFORMANCES

The Unikkern Cat6 U/UTP cable AWG 24, rigorously tested to TIA/EIA 568-B.2-1, EN50173-1, and ISO/IEC 11801 Cat6 standards, ensures dependable performance for copper infrastructure. Available in 305m, 500m, and 1000m 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 LSOH sheath that meets CPR Euroclass Dca, this cable is distinguished by its flexibility and smaller outer diameter, facilitating installation in spaces where room is at a premium.

## STANDARDS

<b>Cable</b>	<b>System</b>	VoIP & ISDN	IEEE 802.3 af/at :
IEC 60156-5 cat6	ISO/IEC 11801 Ed3.0 Class E TIA 568.2-D Category 6	Ethernet base T up to 1 Gbits/s	PoE, Poe+ et 4pPoe

## CHARACTERISTICS

**Conductor :** Solid copper awg24

**Insulation :** Solid polyethylen 0.93+/- 0,03mm

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

**Assembly :** Polyethylen minicross filler and overall shielding made of aluminium/Polyester foil

**Jacket :** LSZH

**Marking :** UNIKKERN DATA CABLE U/UTP CAT6 x PAIRS AWG24 100OHM 250MHZ NVP 69% EN50575 Dca Certified SGS 21WWYY – IEC 61156-5/ISO11801/TIA-EIA 568.2-D CE LSZH xxxxxxM



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## ELECTRICAL & MECHANICAL PROPERTIES

Loop resistance (DC max) at 20°C : 98 Ω/Km

Insulation resistance (min) : 5 GΩ\*Km

Mutua pacitance : 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%

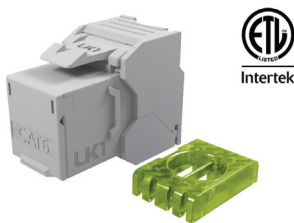
Nominal velocity propagation : 69%

Fire behavior : IEC 60332-1

## ORDERING INFORMATION

Category	Shielding	Item	Designation	Diameter (nom)	Weight (kg/Km)	Packing
Cat.6	U/UTP	KCU64PLZHDGR5	Cable 4 paires Cat.6 U/UTP awg24 LSZH Dca	5.3 mm	35	D500M
Cat.6	U/UTP	KCU64PLZHDGRB	Cable 4 paires Cat.6 U/UTP awg24 LSZH Dca	5.3 mm	35	B305M

## ADDITIONAL ITEMS



### KJ6UEF

Cat6 keystone jack unshielded



### KJP1UUEF

Patch panel 1U UTP 24 ports RJ45

