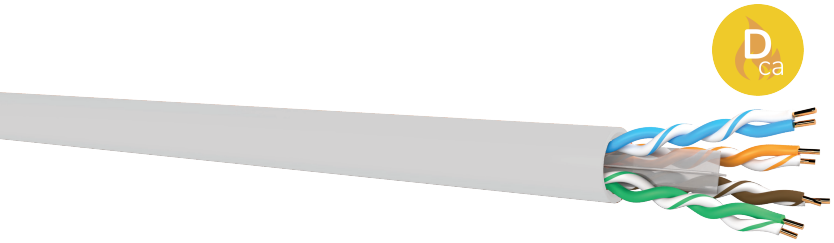
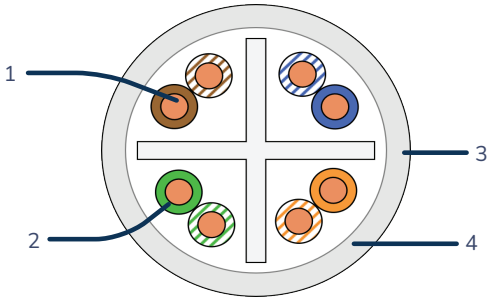
Syskern Ed 2.0

KCU6xPZHDGR

Cat.6 cable U/UTP LSZH Dca 4 pairs & 2x4 pairs

Unikkern





UNIK

- Tested up to 400MHz
- Compliant to ISO 11801 Class E
- Jacket LSZH Dca EN50575

1. Conductor : AWG23
2. Insulation: Solid PE
3. Filler : PE cross
4. Jacket : LSZH Light Grey RAL 7035

THE PURPOSE

The Unikkern Cat6 U/UTP cable, rigorously tested up to 400MHz according to TIA/EIA 568.2-D 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, 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 strong reliability.

COMPLIANCE

Cable standard

IEC 61156-5:2020 Cat6

System

ISO/IEC 11801-1:2017 Class E

TIA 568.2-D Cat6

Applications

IEEE 802.3 : 1G, 2,5G & 5G BASE T

IEEE 802.3 POE : Type 1 & 2, up to 30w

THE STRUCTURE

Conductor : Solid copper awg23

Insulation : Solid polyethylen 0.97+/- 0,03mm

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

Assembly : Polyethylen cross filler

Jacket : LSZH

Marking : UNIKKERN DATA CABLE U/UTP CAT6 x PAIRS AWG23 100OHM TESTED up to 400MHZ NVP 69% EN50575 Dca s2,d1,a1 Certified SGS 21WWYY – IEC 61156-5/ISO11801/TIA-EIA 568.2-D CE LSZH xxxxxxM

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KCU6xPZHDGR

Cat.6 cable U/UTP LSZH Dca 4 pairs & 2x4 pairs

Unikkern

TECHNICALITIES

Loop resistance (DC max) at 20°C : 97 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 : 72V

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

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

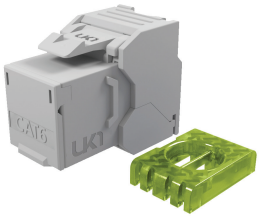
Nominal velocity propagation : 69%

Fire behavior : IEC 60332-1

PURCHASE INFO

Category	Shielding	Item	Designation	Diameter (nom)	Weight (kg/Km)	Packing
Cat.6	U/UTP	KCU64PZHDGR5	Cable 4 paires Cat.6 U/UTP awg23 LSZH Dca	5.8 mm	36	D500M
Cat.6	U/UTP	KCU64PZHDGRB	Cable 4 paires Cat.6 U/UTP awg23 LSZH Dca	5.8 mm	36	B305M

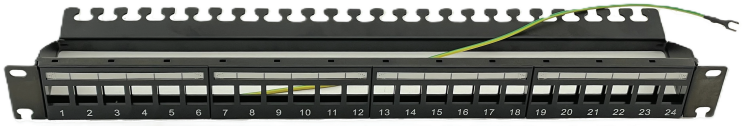
EXTRAS



Intertek

KJ6UHQEF

Cat6 keystone jack unshielded



KJPP1UBCTEF

Patch panel 1U 24 ports RJ45

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