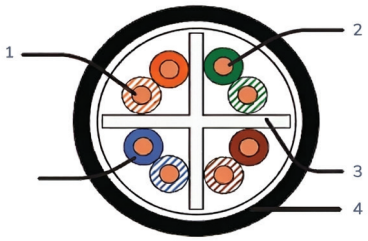
Syskern Ed 2.0

KCU6xPEOUT

Cat6 cable U/UTP PE Fca 4 pairs

Unikkern Brand of Syskern





UNIK

- Tested up to 400MHz
- Outdoor application : PE jacket Fca
- Compliant to ISO 11801 Class E

1. Conductor : AWG23
2. Insulation : Solid PE
3. Filler : PE cross
4. Jacket : PE black RAL 9005

THE PURPOSE

This high-quality Cat6 cable surpasses industry standards. The U/UTP cable is available in various packaging options, offering exceptional performance for copper infrastructure. It supports Class E link performance up to 90m, making it ideal for applications like 1G BASE T, 2.5G BASE T, or 5G BASE T.

The cable includes four pairs, assembled around a PE cross. Its PE sheath protects against physical damage and include a UV resistancy for a long term durability, meeting the CPR Fca standards. This ensures reliable performance and safety in various outdoor networking applications.

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 1.05+/- 0,05mm

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

Assembly : Polyethylen cross filler

Jacket : PE Black RAL 9005

Marking : UNIKKERN DATA CABLE U/UTP CAT6 4 PAIRS AWG23 100OHM TESTED up to 400MHZ NVP 69% EN50575 PE Outdoor Fca 21WWYY – IEC 61156-5/ISO11801/TIA-EIA 568.2-D CE PE xxxxx

This confidential Syskern datasheet cannot be altered or reproduced without written permission. Its specifications are subject to change without notice.

Cette fiche technique confidentielle de Syskern ne peut être modifiée ou reproduite sans permission écrite. Ses spécifications peuvent changer sans préavis

KCFU6xPEOUT

Cat6 cable F/UTP PE Fca 4 pairs & 2x4 pairs

Brand of Syskern

TECHNICALITIES

Loop resistance (DC max) at 20°C : 93.8 Ω/Km

Insulation resistance (min) : 5 GΩ*Km

Mutual capacitance : 56+/- 5 nF/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%

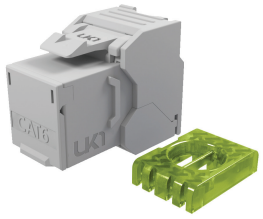
Nominal velocity propagation : 69%

F (MHZ)	IL (DB)	RL (DB)	Next (DB)
4	3,8	23,0	66,3
10	6,0	25,0	60,3
16	7,6	25,0	57,2
25	9,5	24,3	54,3
31.25	10,7	23,6	52,9
100	19,8	20,1	45,3
200	29,0	18,0	40,8
250	32,8	17,3	39,3

PURCHASE INFO

Category	Shielding	Item	Designation	Diameter (nom)	Weight (kg/Km)	Packing
Cat6	U/UTP	KCU64PEOUT	Cat6 cable 4 pairs U/UTP awg23 PE Fca	6.3mm	34	D500M

EXTRAS



KJ6FSHQEF

Cat6 RJ45 keystone jack unshielded tool-ess



KJPP1UBCTEF

24 port unloaded patch panel 1U

This confidential Syskern datasheet cannot be altered or reproduced without written permission. Its specifications are subject to change without notice.

Cette fiche technique confidentielle de Syskern ne peut être modifiée ou reproduite sans permission écrite. Ses spécifications peuvent changer sans préavis