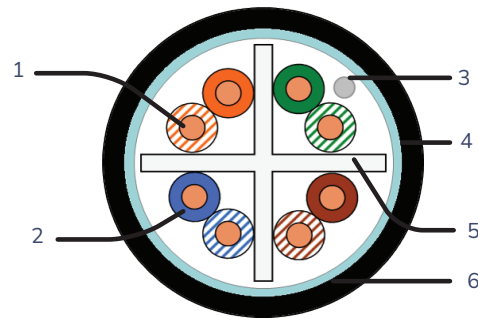
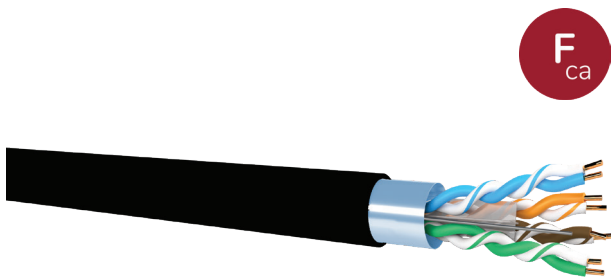


# KCFU64PEOUT

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



## UNIK ✓

- ✓ Compliant to ISO 11801 Class E
- ✓ Jacket PE Fca

- 1. Conductor : AWG23
- 2. Insulation : Solid PE
- 3. Drain wire : Tinned copper
- 4. Shielding : Al/Pes foil
- 5. Filler : PE cross
- 6. Jacket : PE black RAL 9005

## THE PURPOSE

This high-quality Cat6 cable surpasses industry standards. The F/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 and covered with a comprehensive aluminum/polyester tape.

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	System	Applications
IEC 60156-5:2020 Cat6	ISO/IEC 11801-1:2017 Class E TIA 568.2-D Cat6	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 and overall shielding made of aluminum/Polyester foil

**Jacket :** PE Black RAL 9005

**Marking :** UNIKKERN DATA CABLE F/UTP CAT6 4 PAIRS AWG23 100OHM 400MHZ NVP 69% EN50575 PE Out-door Fca 21WWYY – IEC 61156-5/ISO11801/TIA-EIA 568.2-D CE PE xxxxx



# KCFU64PEOUT

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

## TECHNICALITIES

Loop resistance (DC max) at 20°C : 93.8 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%

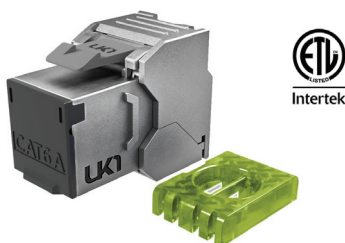
Fire behavior : IEC 60332-1

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

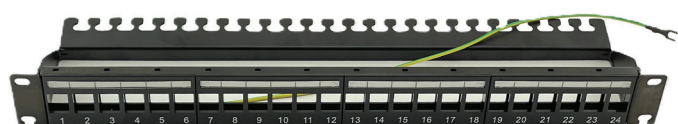
Category	Shielding	Item	Designation	Diameter (nom)	Weight (kg/Km)	Packing
Cat6	F/UTP	KCFU64PEOUT	Cat6 cable 4 pairs F/UTP awg23 PE Fca	7.5mm	48	D500M

## EXTRAS



### KJ6FSHQEF

Cat6 RJ45 keystone jack shielded toolless certified



### KJPP1UBCTEF

24 port unloaded patch panel 1U

