

## Catalog sheet

---

**Telecommunications cable UTP (U/UTP) cat.5e 350MHz B2ca LSOH, wire 4x2x24AWG, code: K/EMITERNET-UTP5ELSOHB2CA-STD.**

**Description and technical specifications of the product:**

Four-pair unshielded Category 5e cable is designed for telecommunications data transmission systems. The cable enables the operation of 4PPoE technology (IEEE 802.3bt Type 4 '4PPoE'), allowing it to be used in telecommunications installations utilizing Power over Ethernet (PoE) standard. The cable construction is based on 4 pairs of wires (conductors made of pure copper) twisted together to reduce crosstalk. Consequently, using this cable can achieve even GigabitEthernet standard connections. This cable is available with an outer PVC jacket. Tested up to a frequency of 350MHz, the cable features 4 color-coded pairs of wires. The cable is marked with the manufacturer's designation, compliance with standards, and length indicator: EmitterNet - HN U/UTP cat.5e B2ca 350MHz LSOH 24AWG x 4PR, Verified to EN/PL 50173 ISO/IEC 11801 EIA/TIA 568-C.2 CE Fire reaction: B2ca, s1a, d0, a1 MM/YY xxxm – cable length.



**Products compatible with the cable:**

**panels:**

Panel 19" 24xRJ45 UTP cat.5e (1U) blue, code: DCN/PPFA652K248C5E  
Panel 19" 48xRJ45 UTP cat.5e (2U) blue, code: DCN/PPFA652K488C5E  
Panel 19" 24xRJ45 UTP cat.5e (1U) black, code: FU/PPFA652K248C5E  
Panel 19" 24xRJ45 UTP cat.5e (1U) with a shelf, code: EMS/PPFA652K248C5E  
Panel 10" 12xRJ45 UTP cat.5e (1U) black, code: FU/PPFA8075K128C5E

**sockets:**

UTP RJ45 cat.5e keystone blue, code: DCN/FA-682MK-8-C5E  
UTP RJ45 cat.5e with 1-module adapter white, low, code: DCN/TS-868K-8-C5E  
UTP RJ45 cat.5e keystone blue (tool-free), code: DCN/FA-S682MK-8-C5E  
UTP RJ45 cat.5e keystone white, code: DC/FA-682MK-8-C5E  
Surface-mounted socket UTP 1xRJ45 cat.5e code: DC/FA-851AK-18-C5E  
Surface-mounted socket UTP 2xRJ45 cat.5e code: DC/FA-851AK-28-C5E

## Catalog sheet

---

### Technical parameters:

Outer cable diameter	5,2mm
Single wire diameter	0.50±0.02mm / 24AWG
Outer cable insulation	LSZH (B2ca)
Color of outer insulation	dark grey
Wire insulation	HDPE
Wires	solid copper
Characteristic impedance	100Ω +/- 15Ω dla 1 - 100 MHz
Resistance of any pair for DC voltage	95,0 Ω/km
NVP	69%
Insulation resistance of any wire (min)	150MΩ/km
Effective capacitance of any pair (f=1kHz)	56nF/km
Bending radius during installation	45mm
Bending radius during operation	22mm
Operating temperatures	-20°C - +60 °C
Temperature during installation	0°C - +50 °C
Weight	31,4 kg/km
Packaging	cardboard, 305m

### Frequency

(MHz)		10	16	62,5	100	155	250	350
Attenuation (max)	(dB/100m)	6,5	8,2	17	35,3	36,5	36,4	44,5
Next (min)	(dB)	50,3	47,2	38,4	35,3	33,1	29,4	27,2
RL (min)	(dB)	25	25	21,5	20,1	-	-	-
PS Next (min)	(dB)	47,3	44,2	35,4	32,3	-	-	-

The cable meets the requirements of the PN-EN50575 standard.

Fire reaction class (flammability class): B2ca\*

\*according to tests conducted at the VDE Testing and Certification Institute according to standards EN-60332, EN-50575, EN-50399, EN-60754, EN-61034.

DECLARATIONS: CE Declaration of Conformity, Declaration of Performance (DoP) No. 012/E/5020671/10-1.

Product warranty: 5 years from the date of purchase. Designed for installation with EmitterNet standard series system.

We have made every effort to ensure that the information presented is accurate and complete. However, we do not accept responsibility for the accuracy and completeness of the data, and in particular, we cannot guarantee that this specification does not contain errors or mistakes. The information contained in this specification may be changed at any time without notice.

---

