

## Data Sheet

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### ICT cable, UTP (U/UTP) Cat.5e 350MHz, wire 4x2x24AWG, code: K/EMITERNET-UTP5EPVC.

#### Description and Technical Characteristics of the Product:

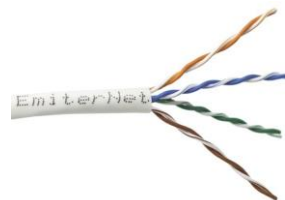
Category 5e four-pair unshielded cable is designed for ICT data transmission systems.

The cable design is based on 4 pairs of wires (the strands are made of pure copper) twisted together in such a way as to reduce near-end crosstalk. Thus, by using this cable you can achieve a connection even in the GigabitEthernet standard. This cable is available in PVC outer sleeving. The cable is tested up to a frequency of 350MHz.

The cable has 4 pairs of colour-coded wires

The manufacturer's designation is printed on the cable, as well as compliance with standards and a length marking: EmitterNet -HN U/UTP cat.5e 350MHz PVC 4PR, Verified to EN/PL 50173 ISO/IEC 11801 EIA/TIA 568-C.2 CE Reaction to fire: Eca MM/YY xxxm

, where MM/YY is the month and year, xxx – cable length.



#### Products compatible with the cable:

##### panels:

19" panel, 24xRJ45 UTP Cat.5e (1U) blue, code: DCN/PPFA652K248C5E

19" panel, 48xRJ45 UTP Cat.5e (2U) blue, code: DCN/PPFA652K488C5E

19" panel 24xRJ45 UTP Cat.5e (1U) black, code: FU/PPFA652K248C5E

19" panel 24xRJ45 UTP Cat.5e (1U) with shelf, code: EMS/PPFA652K248C5E

10" panel 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 adapter 1-module 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

UTP 1xRJ45 Cat. 5e surface-mount socket code: DC/FA-851AK-18-C5E

UTP 2xRJ45 Cat. 5e surface-mount socket code: DC/FA-851AK-28-C5E

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### Technical parameters:

Outer diameter of the cable	5mm
Diameter of a single strand	0.5mm ± 0.01mm; 24 AWG
Outer insulation of the cable	PCV
Colour of external insulation	white
Strand insulation	PE
Strands:	single-wire copper
Wave impedance	100Ω +/- 15Ω for 1–100MHz 100Ω +/- 20Ω for 101–350MHz
Resistance of any pair for DC voltage	97.5Ω/km
NVP	69%
Insulation resistance of any strand (min)	150MΩ/km
Mutual capacitance of any pair (f=1kHz)	50nF/km
Bending radius when laying	40mm
Bending radius during operation	20mm
Operating temperature	-20°C - +70 °C
Temperature during laying	0°C - +50 °C
Weight	31.4 kg/km
Packaging	cardboard box, 305m

### Frequency

(MHz)	10	16	62.5	100	155	250	350	
Loss (max)	(dB/100m)	6.2	7.9	16.3	21.1	26.5	36.4	44.5
Next (min)	(dB)	50.4	47.5	38.4	35.4	33.1	29.4	27.2
ACR (min)	(dB)	44.1	39.5	21.9	14.6	6.5	--	--

The cable meets the requirements of PN-EN50575

Class of reaction to fire (flammability class): Eca\*

\*according to tests performed by VDE Testing and Certification Institute according to EN-13501-6/ EN50575 and EN 60332-1-2 standards

DECLARATIONS: CE-Declaration of Conformity, Declaration of Performance (DoP) No. 001/5020671/4-1

Product warranty 5 years from the date of purchase. Designed for installation with EmitterNet certified or standard series system. The possibility of obtaining a 25-year System Warranty (after meeting the conditions specified in the EmitterNet Structural Cabling System Warranty Program).

We have made every effort to ensure that the information presented is accurate and complete. However, we are not responsible 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.