

## Data Sheet

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### ICT cable, UTP (U/UTP) Cat.5e, stranded-core cable 4x2x24AWG, code: K/EMITERNET-UTP5ELINKA.

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

Category 5e four-pair unshielded cable is designed for ICT data transmission systems, especially - due to its flexibility - for making patch and connection cables.



The cable design is based on 4 pairs of strands (they 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 has 4 pairs of colour-coded conductors.

The manufacturer's designation is printed on the cable, as well as compliance with standards and a length marking:

EmiterNet -HN UTP Cat.5e stranded-core cable PVC 4PR, Verified to EN/PL 50173  
ISO/IEC 11801 EIA/TIA 568-C.2 MM/YY xxx m

#### Technical parameters:

Outer diameter of the cable	5.2mm
Diameter of a single strand	7*0.205mm; 24 AWG
Outer insulation of the cable	PCV
Colour of external insulation	blue
Strand insulation	HDPE
Wave impedance	100Ω +/- 15Ω for 1–100MHz
Resistance of any pair for DC voltage	170Ω/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	30.0 kg/km
Packaging	cardboard box, 305m

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Frequency	(MHz)	10	16	62.5	100	155
Loss	(dB/100m)	9.8	12.3	25.6	33	39.9
Next	(dB)	50.3	47.3	38.4	35.3	32.1
ACR	(dB)	42.5	37.5	18.1	8.9	5.1

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