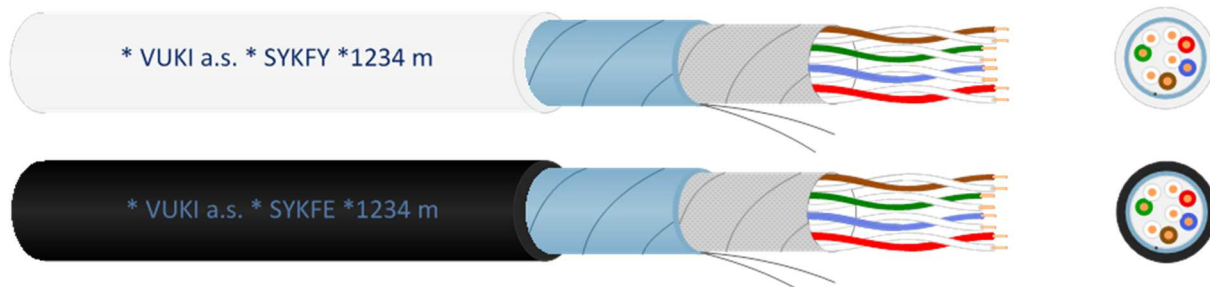




PVC



Application:

Paired communication cables type SYK... are used for basic telephone connection in analog transmission system, for electronic security systems and data transmission. They are used for max. voltage of 100 V, for fixed installations both in normal and moist environments (STN 33 2000-5-51). It is possible to place them under the wall plaster. In E execution with PE sheathing they are intended for pulling into cable ducts into the ground.

Cable construction:

- **Number of pairs:** 1 - 25
- **Cable cores:** copper conductor cl. 1
- **Nominal diameter:** 0,5 mm ; 0,8 mm
- **Insulation:** PVC
- Cores are stranded in pairs. Pairs are stranded in layer.
- **Shield construction (only for type SYKF...):** PET tape + AlPET tape with CuSn wire
- **Sheath cable:** Y - PVC, E - PE
- **Colour of sheath:** PVC - white, PE - black or other if required

Technical data:

- **Nominal voltage:** 100 V
- **Test voltage :** 1000 V
- **Effective resistance of conductor, max.:** 0,5 mm - 97,6 Ω/km
0,8 mm - 36,0 Ω/km
- **Insulation resistance, min.:** 100 MΩ.km
- **Mutual capacitance (at 800 Hz), max.:** 120 nF/km*
(* the value can exceed of 20% by cables up to 4-pairs)
- **Max. admissible conductor temperature:** +70 °C
- **Operating temperature:** -10 °C to +50 °C
- **Min. temperature for laying:** -5 °C
- **Min. bending radius:** 15 x cable diameter

Marking:

- Cores colour in pairs:
A cores colour is for elements:
1-5 white
6-10 yellow
11-15 orange
16-20 purple
21-25 black

B cores colour repeats in every group of 5 elements to differential conductor A in order:
red, green, blue, brown, grey

	1x2x...		2x2x...		3x2x...		5x2x...		10x2x...		15x2x...		20x2x...		25x2x...	
Φ Cu	0,5	0,8	0,5	0,8	0,5	0,8	0,5	0,8	0,5	0,8	0,5	0,8	0,5	0,8	0,5	0,8
Cable diameter (appr.) mm	4,5	5,5	6	6,5	6,5	7	7	10,5	9	12	10,5	14	13	16	15	17,5



F-11.1.21-27-5/15.en

The information supplied on this data sheet complies with our current level of knowledge by the date of publication. These information can be revised if there are any new knowledge and experiences available. Stated data are valid only for VUKI products. Any data changes in this documentation are restricted. Values in this documentation consider as informative data.

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