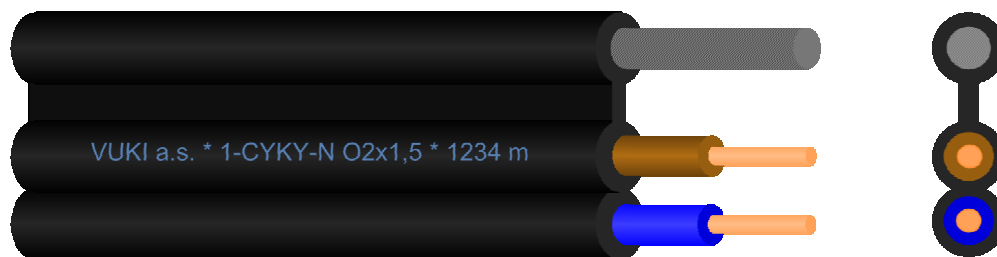




Self-supporting power cables



### Application:

Self-supporting cables for outdoor electric lines and for hang on column of electric lines or radio transmission in villages. Cables are used for nominal voltage of 450/750 V, in normal and moist environments (STN 33 2000-5-51). Cables are UV resistant and reduced flame propagation acc. to STN EN 60332-1.

### Cable construction:

- **Number of cores:** 2 - 5
- **Cable cores:** copper conductor cl. 1
- **Nominal cross-section:** 1,5 mm<sup>2</sup>, 2,5 mm<sup>2</sup>, 4 mm<sup>2</sup>, 6 mm<sup>2</sup>
- **Insulation:** PVC or cross-linked polyethylene
- **Supporting member:** Steel wire rope with nominal diameter 3 mm with nominal load 7 kN
- **Sheath cable:** PVC
- **Colour of sheath:** black

### Technical data:

- **Nominal voltage U<sub>0</sub>/U (V):** 450/750
- **Test voltage [kV]:** 2,5
- **Max. short-circuit temperature:** 70 °C
- **Operating temperature:** -15 °C to +70 °C
- **Min. temperature for laying:** -5 °C
- **Min. bending radius:** 15 x cable diameter

### Marking:

- **Core identification:** Acc. to STN EN 60446

- **Letter code:**

position	letter	meaning
1.	C	copper conductor cl. 1
2.	Y	PVC
3.	K	unshielded cable
4.	Y	PVC
5.	N	self-design



Application table:

Number of cores	Nominal cross-section	Effective resistance of conductors	Total weight (appr.)	Outer dimensions (appr.)
	mm <sup>2</sup>	Ω/km	kg/km	mm
2	1,5	12,1	140	6x16
	2,5	7,41	188	6,5x16
	4	4,61	238	7x18
	6	3,08	296	10x22
3	1,5	12,1	180	11x18
	2,5	7,41	230	11x19
	4	4,61	320	12x20
	6	3,08	415	14x22
5	2,5	7,41	340	12x20