



Installation cables



* VUKI a.s. * CYKY J5x1,5 *123m

Application:

Power cables of smaller cross-section for fixed installation in the ground, in the air and in cable ducts. Cables are used for nominal voltage of 450/750 V, for fixed placement in normal and moist environments (STN 33 2000-5-51). Cables are resistant to UV radiation 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 mm², 2,5 mm², 4 mm², 6 mm²
- **Insulation:** PVC
- PVC filler is placed above the coiled cores
- **Sheath cable:** PVC
- **Colour of sheath:** black

Technical data:

- **Nominal voltage U₀/U (V):** 450/750
- **Test voltage [kV]:** 2
- **Max. short-circuit temperature:** 70 °C
- **Operating temperature:** -40 °C to +70 °C
- **Min. temperature for laying:** -5 °C
- **Min. bending radius:** 6 x Ø for cables with Ø < 20mm
12 x Ø for cables with Ø > 20mm

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



Application table:

Number of cores	Nominal cross-section	Effective resistance of conductors	Total weight (appr.)	Outer diameter (appr.)
	mm ²	Ω/km	kg/km	mm
2	1,5	12,1	90	9
	2,5	7,41	110	10
	4	4,61	150	12
3	1,5	12,1	110	9,5
	2,5	7,41	155	10,5
	4	4,61	190	13
	6	3,08	310	14
4	1,5	12,1	150	11
	2,5	7,41	210	12
	4	4,61	290	14
5	1,5	12,1	180	11,5
	2,5	7,41	260	12,5
	4	4,61	350	15