



Flat 2 or 3-core halogen-free 1kV power cables

* VUKI a.s. * CHKEpl-R-J 3x1,5 *123m



Application:

Flat power cables with resistance to flame propagation according to STN EN 60332-3... (STN EN 50266-2-...), halogen-free, with low density of smoke according to STN EN 61034-2 and low corrosivity of combustion gases according to STN EN 50267-2-3. These are used for nominal voltage of 0,6/1 kV for fixed installation both in normal and moist environments (STN 33 2000-5-51). Cables can be used in the fire hazard conditions and can be installed on flammable material.

Cable construction:

- **Number of cores:** 2 - 3
- **Cable cores:** copper conductor cl. 1
- **Nominal cross-section:** 1,5 mm², 2,5 mm²
- **Insulation:** cross-linked polyethylene or EPR and combinations
- **Sheath cable:** halogen-free, flame-retardant material
- **Colour of sheath:** orange or other if required

Technical data:

- **Nominal voltage U₀/U (kV):** 0,6/1
- **Test voltage [kV]:** 4
- **Max. short-circuit temperature:** 90 °C
- **Operating temperature:** -40 °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.	H	EPR and combinations
3.	K	unshielded cable
4.	pl	Flat installation cable, cores are placed parallel
4.	E	homo- / copolymer ethylene, HFFR
5.	R	cable is flame-retardant



Application table:

Number of cores	Nominal cross-section	Effective resistance of conductors	Total weight (appr.)	Outer dimensions (appr.)
	mm ²	Ω /km	kg/km	mm
2	1,5	12,1	40	6x3,5
	2,5	7,41	73	6,8x4
3	1,5	12,1	60	8,5x3,5
	2,5	7,41	100	9,8x4