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## ВКбШвнг 2х4-1 ТУ У 31.3-00214534-057:2007



Power cables with copper conductors, with PVC-compound insulation, galvanized steel-wire armoured, with low-flammable PVC-compound protection hose

Cables are used for laying:

- in bunches
- · in premises, dry ducts and tunnels, in corrosive environment
- in places, where small mechanical impacts on cable are possible, including tensile forces

It is possible manufacturing of cables in cold-resistant performance (ВКбШвнг-ХЛ) It is possible manufacturing of cables of low fire risk (ВКбШнгд), including fire-resistant (ВКбШнгд-FR) and cold-resistant (ВКбШнгд-ХЛ)

It is possible manufacturing of cables with polymer compound sheath, halogen-free (ВКбПнг-HF), including fire-resistant (ВКбПнг-FRHF)

Fire safety code in accordance with ДСТУ 4809:2007: ПБ120000000

Products of this mark meet the requirements:

• single wire cable flame retardance

bunched cable flame retardance category A

## **TECHNICAL SPECIFICATIONS**

Rated voltage	kV	1
Number and rated area of conductors	mm²	2 x 4
Phase insulation thikness	mm	1
Armor wire diameter	mm	0.3
Permissible continious current rating (AC of industrial frequency) *		
• by aerial laying	А	36
• by burial	А	47
Maximum permissible conductor temperature		
Continious	°C	+70
in emergency operation	°C	+80
at short circuit	°C	+160
Operating temperature range	°C	-40 +50
Minimum bending radius by laying	mm	105
Rated outer diameter of the cable (for reference) **	mm	14
Cable weight (approximate)	kg/km	300
Rated factory cable length and gross weight of the delivery	m, t	# 10: 1210 • 0.4
on the drums ***		# 12: 1670 • 0.6
Notos:		

Notes:

When ordering it is neccesary to agree the factory length of the product with the manufacturer

\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C,

thermal resistivity of soil 1.2 °K • m/W, laying depth in the soil 0.7 m

\*\* The external diameter may differ from the rated up to  $\pm$  10 %



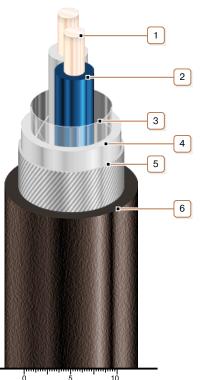


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## **CONSTRUCTION**

- 1. Copper conductor
- 2. PVC compound insulation
- 3. PET film winding
- 4. PVC compound belt insulation
- 5. Round galvanized steel-wire armour

6. Pressed off low-flammable PVC compound protection hose

Note: Conductor twisting is not illustrated