



## ВВГнг-К 3x35/35-1 ТУ У 31.3-00214534-048:2007

Power cables with copper conductors, with PVC compound insulation, with concentric conductor, with low-flammable PVC-compound protection hose

Cables are used for laying:

- *in bunches*
- *in premises, dry ducts and tunnels, in corrosive environment*
- *in locations, where a high level of electrical protection is required*

It is possible to manufacture armoured cable

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	mm <sup>2</sup>	3 x 35
Nominal cross-section area of concentric conductor	mm <sup>2</sup>	35
Phase insulation thickness	mm	1.2
Permissible continuous current rating (AC of industrial frequency) *		
• <i>by aerial laying</i>	A	137
• <i>by burial</i>	A	158
Maximum permissible conductor temperature		
• <i>Continuous</i>	°C	+70
• <i>at short circuit</i>	°C	+160
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	232.5
Rated outer diameter of the cable (for reference) **	mm	31
Cable weight (approximate)	kg/km	2050
Rated factory cable length and gross weight of the delivery on the drums	m, t	# 14: 610 • 1.4 # 16a: 990 • 2.3

Notes:

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

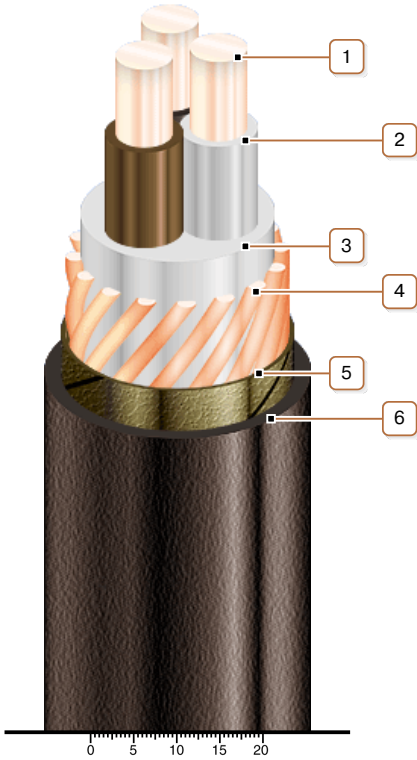
*\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m*

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



## **ВВГнг-К 3x35/35-1** **ТУ У 31.3-00214534-048:2007**

Power cables with copper conductors, with PVC compound insulation, with concentric conductor, with low-flammable PVC-compound protection hose



### **CONSTRUCTION**

1. Copper conductor
2. PVC compound insulation
3. PVC compound belt insulation
4. Concentric copper conductor
5. Lapping layer of nonwoven cloth tape
6. Low flammable PVC compound outer sheath

*Note: Conductor twisting is not illustrated*