



## **ПВБГ 5x4-1** **ТУ У 31.3-00214534-048:2007**

Power cables with copper conductors, XLPE-insulated, with PVC-compound outer sheath

Cables are used for laying:

- *single laying*
- *in premises, dry ducts and tunnels, in corrosive environment*

Manufacturing of cable with PVC compound belt insulation is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ1000000000

Products of this mark meet the requirements:

- *single wire cable flame retardance*

### **TECHNICAL SPECIFICATIONS**

Rated voltage	kV	1
Number and rated area of conductors	mm <sup>2</sup>	5 x 4
Phase insulation thickness	mm	0.7
Permissible continious current rating (AC of industrial frequency) *		
• <i>by aerial laying</i>	A	41
• <i>by burial</i>	A	48
Maximum permissible conductor temperature		
• <i>Continuous</i>	°C	+90
• <i>in emergency operation</i>	°C	+130
• <i>at short circuit</i>	°C	+250
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	105
Rated outer diameter of the cable (for reference) **	mm	14
Cable weight (approximate)	kg/km	290
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 10: 1210 • 0.4 # 12: 1670 • 0.6

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 %



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### CONSTRUCTION

1. Copper conductor
2. XLPE insulation
3. PVC compound bundle
4. PET film winding
5. PVC compound outer sheath

*Note: Conductor twisting is not illustrated*

