



## ПВБШВ 1x240-1 TY Y 31.3-00214534-048:2007

Power cables with copper conductors, XLPE-insulated, galvanized steel-tape armoured, with PVC-compound protection hose

Cables are used for laying:

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

Manufacturing of non-galvanized armoured cable, covered with a layer of bitumen and PET film is possible  
 Manufacturing of cable with PVC compound belt insulation is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ100000000

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>	1 x 240
Phase insulation thickness	mm	1.7
Permissible continuous current rating (AC of industrial frequency) *		
• <i>by aerial laying</i>	A	641
• <i>by burial</i>	A	515
Permissible continuous current rating (DC) *		
• <i>by aerial laying</i>	A	821
• <i>by burial</i>	A	812
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	310
Rated outer diameter of the cable (for reference) **	mm	31
Cable weight (approximate)	kg/km	2850
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 14: 610 • 1.9 # 16a: 990 • 3.1

Notes:

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

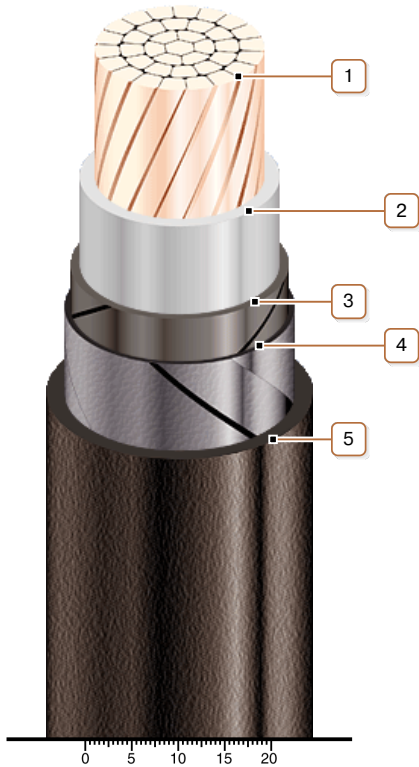
\* *Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m*

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



**ПвБШВ 1x240-1**  
**ТУ У 31.3-00214534-048:2007**

Power cables with copper conductors, XLPE-insulated, galvanized steel-tape armoured, with PVC-compound protection hose



**CONSTRUCTION**

1. *Copper multiwire compact conductor*
2. *XLPE insulation*
3. *Tape core wrapping*
4. *Double galvanized steel-tape armour*
5. *Pressed PVC compound protection hose*