

**ПВБГ 1x10-1**  
**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*

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 10
Phase insulation thickness	mm	0.7
Permissible continious current rating (AC of industrial frequency) *		
• <i>by aerial laying</i>	A	82
• <i>by burial</i>	A	89
Permissible continious current rating (DC) *		
• <i>by aerial laying</i>	A	105
• <i>by burial</i>	A	136
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	90
Rated outer diameter of the cable (for reference) **	mm	9
Cable weight (approximate)	kg/km	130

Notes:

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

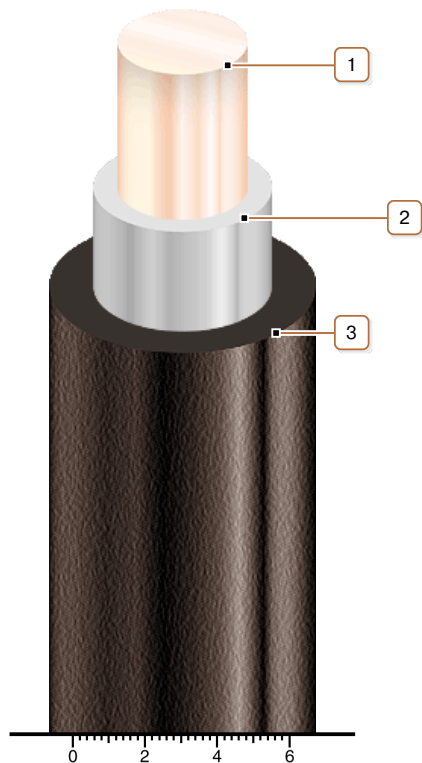
*\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m*

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



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### CONSTRUCTION

1. *Copper conductor*
2. *XLPE insulation*
3. *PVC compound outer sheath*