

## ПВББШВ 1x150-1 ТУ У 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: 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> | 1 x 150         |
| Phase insulation thickness  | mm              | 1.4             |
| Permissible continuous current rating (AC of industrial frequency) *            |                 |                 |
| • <i>by aerial laying</i>   | A               | 464             |
| • <i>by burial</i>  | A               | 392             |
| Permissible continuous current rating (DC) *                                    |                 |                 |
| • <i>by aerial laying</i>   | A               | 591             |
| • <i>by burial</i>  | A               | 614             |
| 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              | 270             |
| Rated outer diameter of the cable (for reference) **                            | mm              | 27              |
| Cable weight (approximate)  | kg/km           | 1860            |
| Rated factory cable length and gross weight of the delivery<br>on the drums *** | m, t            | # 14: 800 • 1.7 |

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*

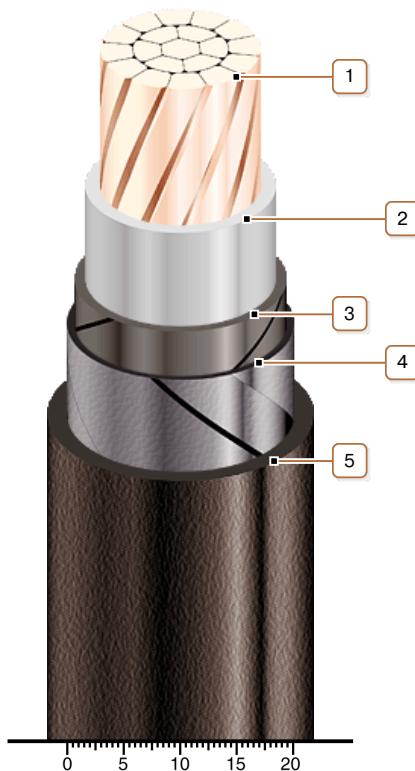
*\*\* The external diameter may differ from the rated up to ± 10 %*



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**CONSTRUCTION**

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

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