

## ПвБбШв 5x1.5-1 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

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> | 5 x 1.5          |
| Phase insulation thickness  | mm              | 0.7              |
| Permissible continuous current rating (AC of industrial frequency) *            |                 |                  |
| • <i>by aerial laying</i>   | A               | 23               |
| • <i>by burial</i>  | A               | 28               |
| 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              | 135              |
| Rated outer diameter of the cable (for reference) **                            | mm              | 18               |
| Cable weight (approximate)  | kg/km           | 420              |
| Rated factory cable length and gross weight of the delivery<br>on the drums *** | m, t            | # 12: 1010 • 0.5 |

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*

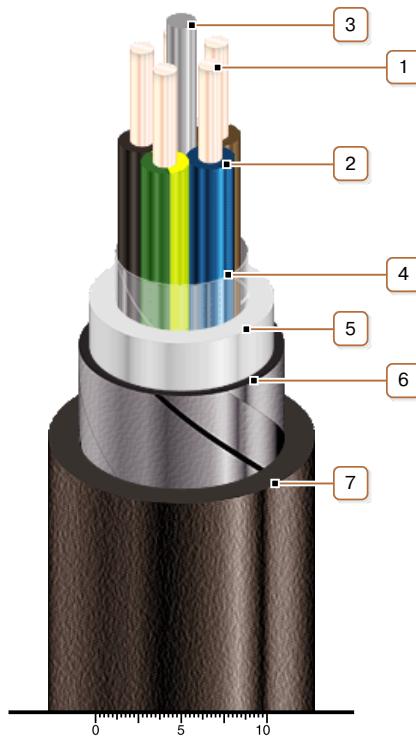
*\*\* The external diameter may differ from the rated up to ± 10 %*



180124-150015100000

**ПвБбШв 5x1.5-1  
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 conductor
2. XLPE insulation
3. PVC compound bundle
4. PET film winding
5. PVC compound belt insulation
6. Double galvanized steel-tape armour
7. Pressed PVC compound protection hose

---

*Note: Conductor twisting is not illustrated*