



## ВБШнг 4x185-1 ТУ У 31.3-00214534-018-2003

Power cables with copper conductors, with PVC-compound insulation, galvanized steel-tape armoured, with low-flammable PVC-compound protection hose

Cables are used for laying:

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

Manufacturing of cable with PVC compound belt insulation is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ120000000

Products of this mark meet the requirements:

- *single wire cable flame retardance*
- *bunched cable flame retardance category A*

### TECHNICAL SPECIFICATIONS

|                                                                              |                 |                 |
|------------------------------------------------------------------------------|-----------------|-----------------|
| Rated voltage                                                                | kV              | 1               |
| Number and rated area of conductors                                          | mm <sup>2</sup> | 4 x 185         |
| Phase insulation thickness                                                   | mm              | 2               |
| Permissible continuous current rating (AC of industrial frequency) *         |                 |                 |
| • <i>by aerial laying</i>                                                    | A               | 369             |
| • <i>by burial</i>                                                           | A               | 376             |
| Maximum permissible conductor temperature                                    |                 |                 |
| • <i>Continuous</i>                                                          | °C              | +70             |
| • <i>in emergency operation</i>                                              | °C              | +90             |
| • <i>at short circuit</i>                                                    | °C              | +160            |
| Operating temperature range                                                  | °C              | -50 ... +50     |
| Minimum bending radius by laying                                             | mm              | 397.5           |
| Rated outer diameter of the cable (for reference) **                         | mm              | 53              |
| Cable weight (approximate)                                                   | kg/km           | 8420            |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 18: 400 • 3.8 |
|                                                                              |                 | # 20: 630 • 5.9 |

Notes:

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

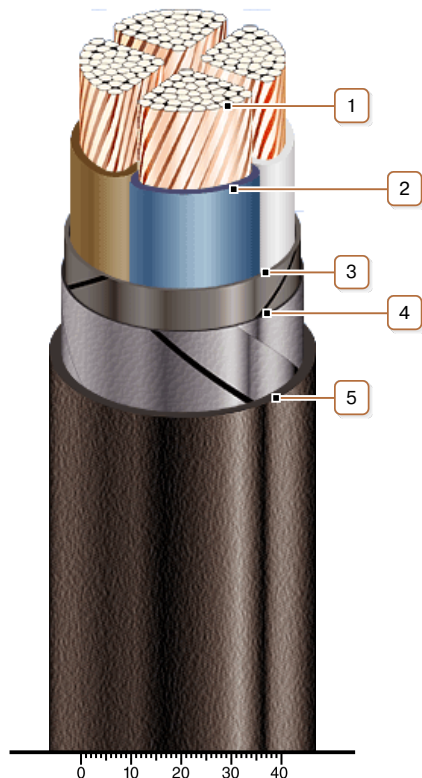
\* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



## **ВБбШнг 4x185-1** **ТУ У 31.3-00214534-018-2003**

Power cables with copper conductors, with PVC-compound insulation, galvanized steel-tape armoured, with low-flammable PVC-compound protection hose



### **CONSTRUCTION**

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

*Note: Conductor twisting is not illustrated*