



## ВВГнг 1х185-1 ТУ У 31.3-00214534-018-2003

Power cables with copper conductors, with PVC-compound insulation, with low-flammable PVC-compound outer sheath

Cables are used for laying:

- *in bunches*
- *in premises, dry ducts and tunnels, in corrosive environment*

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> | 1 x 185          |
| Phase insulation thickness   | mm              | 2                |
| Permissible continuous current rating (AC of industrial frequency) *         |                 |                  |
| • <i>by aerial laying</i>  | A               | 431              |
| • <i>by burial</i>   | A               | 412              |
| Permissible continuous current rating (DC) *                                 |                 |                  |
| • <i>by aerial laying</i>  | A               | 547              |
| • <i>by burial</i>   | A               | 637              |
| 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              | 240              |
| Rated outer diameter of the cable (for reference) **                         | mm              | 24               |
| Cable weight (approximate)   | kg/km           | 1950             |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 14: 1090 • 2.3 |

Notes:

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

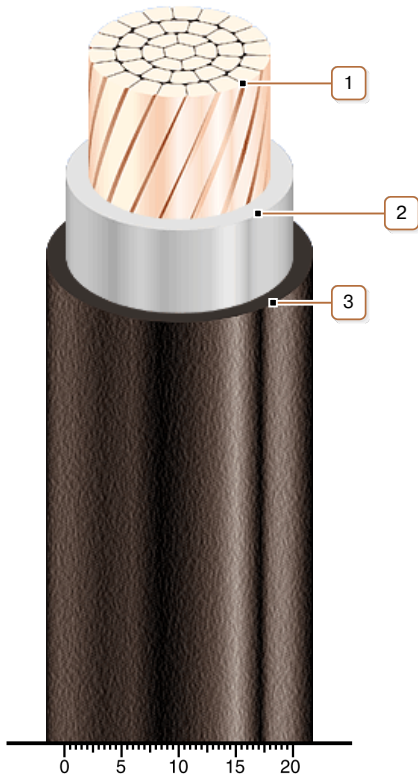
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



**ВВГнг 1х185-1**  
**ТУ У 31.3-00214534-018-2003**

Power cables with copper conductors, with PVC-compound insulation, with low-flammable PVC-compound outer sheath



**CONSTRUCTION**

- 
1. *Copper multiwire compact conductor*
  2. *PVC compound insulation*
  3. *Low flammable PVC compound outer sheath*
-