



## ААБлГ 1х185-3 TY 16.K71-269-97

Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed, steel-tape armoured

Cables are used for laying:

- *in dry premises (tunnels), ducts, cable cellars, mines, collectors, industrial and other premises, including damp, partially flooded premises, environment with medium and high corrosiveness*
- *in fire-risk premises*
- *on technological trestles*
- *on special cable bridges*
- *on bridges*
- *with a risk of mechanical damage and no tensile forces in operation*

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              | 3               |
| Number and rated area of conductors                                          | mm <sup>2</sup> | 1 x 185         |
| Insulation thickness of conductor-sheath                                     | mm              | 2               |
| Sheath thickness                                                             | mm              | 1.3             |
| Permissible continuous direct current rating *                               |                 |                 |
| • <i>by aerial laying</i>                                                    | A               | 508             |
| • <i>by burial</i>                                                           | A               | 426             |
| Operating temperature range                                                  | °C              | -50 ... +50     |
| Minimum bending radius by laying                                             | mm              | 725             |
| Level difference along the laying rout, not more than                        | m               | 25              |
| Metal sheath outer diameter (for reference only)                             | mm              | 23              |
| Rated outer diameter of the cable (for reference) **                         | mm              | 29              |
| Cable weight (approximate)                                                   | kg/km           | 1650            |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16: 420 • 1.0 |

Notes:

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

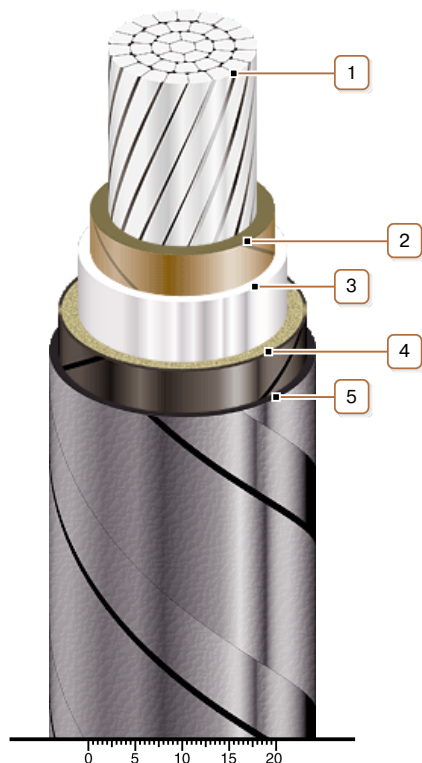
*\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m*

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



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### CONSTRUCTION

1. *Aluminium multiwire compacted conductor*
2. *Impregnated paper insulation*
3. *Aluminium sheath*
4. *Single-layer plastic-tape bedding*
5. *Double galvanized steel-tape armour*