



## ААШнг 4х185(ож)-1 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed, with low-flammable PVC-compound protection hose

Cables are used for laying:

- in soil (trenches) with high corrosiveness without vagabond currents
- in soil (trenches) with medium corrosiveness, as well as with vagabond currents
- 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 bridges
- in mines, non-hazardous as for gas and dust
- with no risk of mechanical damage in operation
- in bunches

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         |
| Insulation thickness between conductors                                      | mm              | 1.9             |
| Insulation thickness of conductor-sheath                                     | mm              | 1.55            |
| Sheath thickness   | mm              | 1.65            |
| Permissible continuous current rating *                                      |                 |                 |
| • by aerial laying   | A               | 318             |
| • by burial  | A               | 292             |
| Operating temperature range  | °C              | -50 ... +50     |
| Minimum bending radius by laying   | mm              | 1200            |
| Level difference along the laying rout, not more than                        | m               | 25              |
| Metal sheath outer diameter (for reference only)                             | mm              | 42              |
| Rated outer diameter of the cable (for reference) **                         | mm              | 48              |
| Cable weight (approximate)   | kg/km           | 3680            |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 18: 500 • 2.3 |

Notes:

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

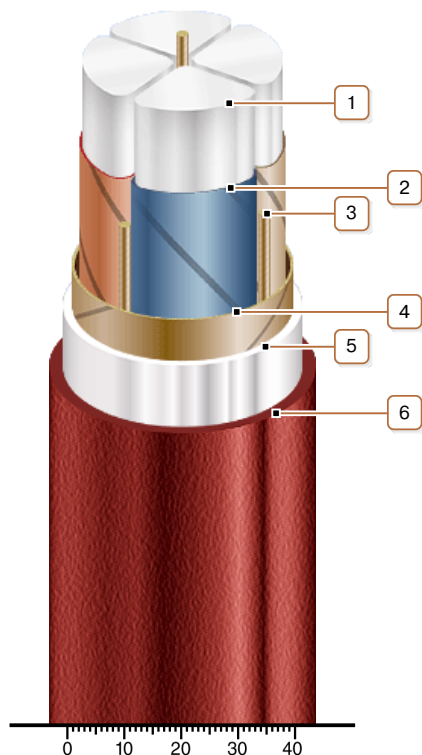
\* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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### CONSTRUCTION

1. Aluminium conductor
2. Impregnated paper insulation
3. Cable paper bundle
4. Belt insulation
5. Aluminium sheath
6. Pressed off low-flammable PVC compound protection hose

*Note: Conductor twisting is not illustrated*