

**ААБВШнг 3х50(ож)-1**  
**ТУ У 27.3-00214534-091:2017**

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

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*
- *with a risk of mechanical damage and no tensile forces 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> | 3 x 50          |
| Insulation thickness between conductors                                      | mm              | 1.5             |
| Insulation thickness of conductor-sheath                                     | mm              | 1.25            |
| Sheath thickness   | mm              | 1.2             |
| Permissible continious current rating *                                      |                 |                 |
| • <i>by aerial laying</i>  | A               | 146             |
| • <i>by burial</i>   | A               | 153             |
| Operating temperature range  | °C              | -50 ... +50     |
| Minimum bending radius by laying   | mm              | 825             |
| Level difference along the laying rout, not more than                        | m               | 25              |
| Metal shaeth outer diameter (for reference only)                             | mm              | 20              |
| Rated outer diameter of the cable (for reference) **                         | mm              | 33              |
| Cable weight (approximate)   | kg/km           | 1790            |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16: 330 • 0.9 |

Notes:

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

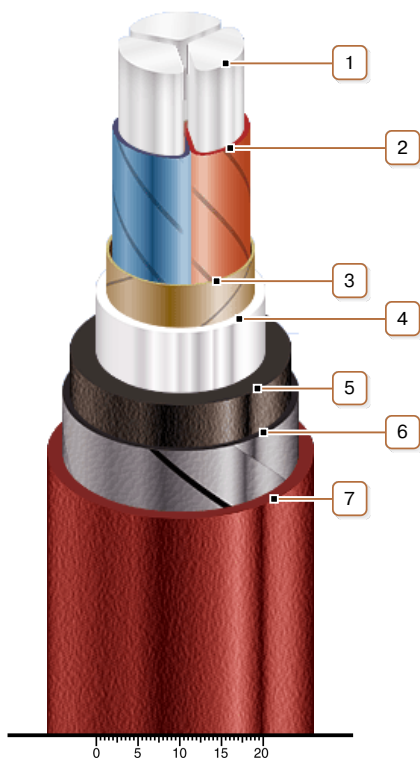
*\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K•m/W, laying depth in the soil 0.7 m*

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



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### CONSTRUCTION

1. Aluminium conductor
2. Impregnated paper insulation
3. Belt insulation
4. Aluminium sheath
5. Bedding with PVC compound moulded-in hose
6. Double galvanized steel-tape armour
7. Pressed off low-flammable PVC compound protection hose

*Note: Conductor twisting is not illustrated*