

**ААШВ 3х50(ож)-10**  
**ТУ У 27.3-00214534-091:2017**

Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed, with 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 special cable bridges*
- *on bridges*
- *in mines, non-hazardous as for gas and dust*
- *with no risk of mechanical damage 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              | 10               |
| Number and rated area of conductors  | mm <sup>2</sup> | 3 x 50           |
| Insulation thickness between conductors                                      | mm              | 5.5              |
| Insulation thickness of conductor-sheath                                     | mm              | 4                |
| Sheath thickness   | mm              | 1.35             |
| Permissible continuous current rating *                                      |                 |                  |
| • <i>by aerial laying</i>  | A               | 132              |
| • <i>by burial</i>   | A               | 134              |
| Operating temperature range  | °C              | -50 ... +50      |
| Minimum bending radius by laying   | mm              | 900              |
| Level difference along the laying rout, not more than                        | m               | 15               |
| Metal sheath outer diameter (for reference only)                             | mm              | 30               |
| Rated outer diameter of the cable (for reference) **                         | mm              | 36               |
| Cable weight (approximate)   | kg/km           | 1750             |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16a: 780 • 1.6 |

Notes:

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

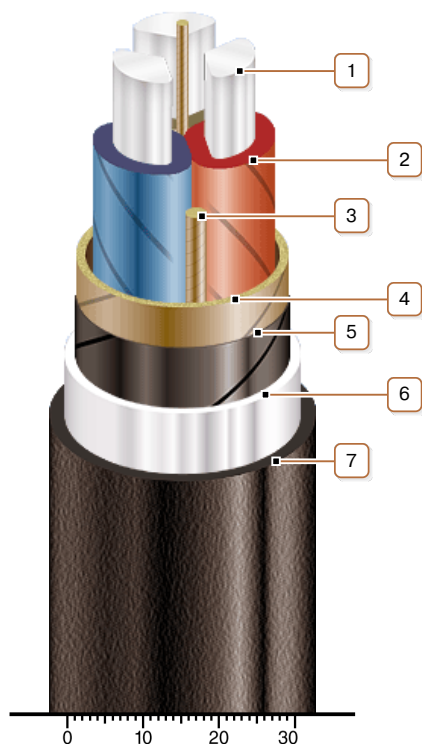
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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### **CONSTRUCTION**

1. Aluminium conductor
2. Impregnated paper insulation
3. Cable paper bundle
4. Belt insulation
5. Conducting paper screen
6. Aluminium sheath
7. Pressed PVC compound protection hose

*Note: Conductor twisting is not illustrated*