



## АСБВШнг 3х50(ож)-10 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with impregnated paper insulation, lead-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 special cable bridges
- 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              | 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              | 1.32                                |
| Permissible continuous current rating *                                      |                 |                                     |
| • by aerial laying                                                           | A               | 132                                 |
| • by burial                                                                  | A               | 134                                 |
| Operating temperature range                                                  | °C              | -50 ... +50                         |
| Minimum bending radius by laying                                             | mm              | 645                                 |
| Level difference along the laying route, not more than                       | m               | 15                                  |
| Metal sheath outer diameter (for reference only)                             | mm              | 30                                  |
| Rated outer diameter of the cable (for reference) **                         | mm              | 43                                  |
| Cable weight (approximate)                                                   | kg/km           | 3990                                |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16a: 520 • 2.3<br># 18: 600 • 2.9 |

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

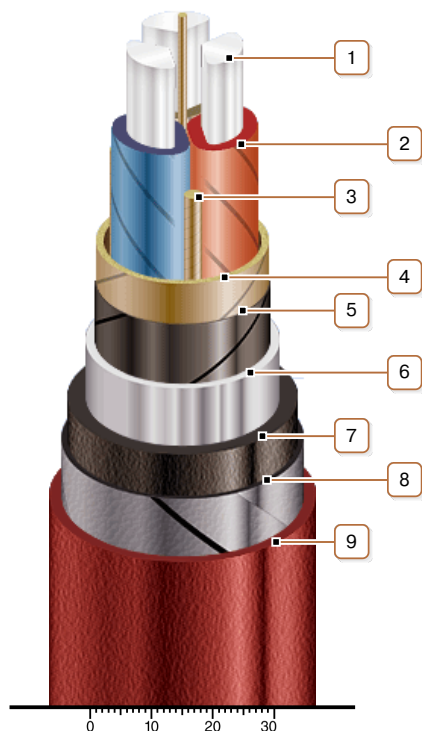
\*\* The external diameter may differ from the rated up to ± 10 %



## АСБвШнг 3х50(ож)-10 ТУ У 27.3-00214534-091:2017

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

### CONSTRUCTION



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

*Note: Conductor twisting is not illustrated*