

## ААБВШнг 3х70-6 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

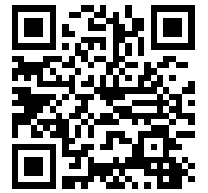
|  |                 |                                     |
|--|-----------------|-------------------------------------|
| Rated voltage  | kV              | 6                                   |
| Number and rated area of conductors                                      | mm <sup>2</sup> | 3 x 70                              |
| Insulation thickness between conductors                                  | mm              | 4                                   |
| Insulation thickness of conductor-sheath                                 | mm              | 2.95                                |
| Sheath thickness   | mm              | 1.4                                 |
| Permissible continuous current rating *                                  |                 |                                     |
| • by aerial laying   | A               | 178                                 |
| • by burial  | A               | 180                                 |
| Operating temperature range  | °C              | -50 ... +50                         |
| Minimum bending radius by laying   | mm              | 1100                                |
| Level difference along the laying rout, not more than                    | m               | 20                                  |
| Metal sheath outer diameter (for reference only)                         | mm              | 32                                  |
| Rated outer diameter of the cable (for reference) **                     | mm              | 44                                  |
| Cable weight (approximate)   | kg/km           | 3110                                |
| Rated factory cable length and gross weight of the delivery on the drums | m, t            | # 16a: 520 • 1.9<br># 18: 600 • 2.3 |

Notes:

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

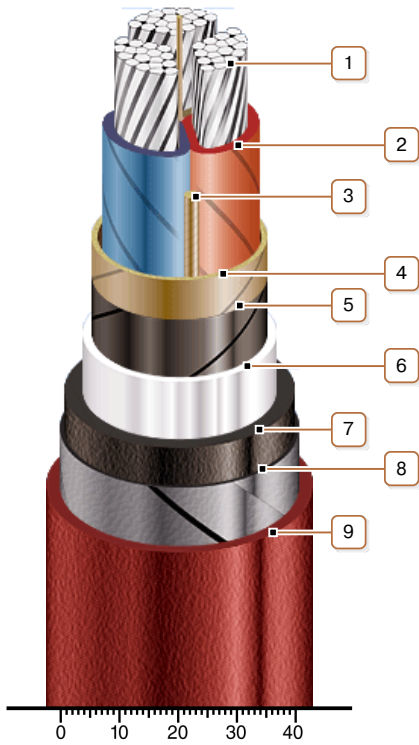
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

\*\* 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. Cable paper bundle
4. Belt insulation
5. Conducting paper screen
6. Aluminium 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