

## ААП2лШв 3x120(ож)-1 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with non-draining impregnated paper insulation, aluminium-sheathed, steel-wire armoured, with PVC-compound protection hose

Cables are used for laying:

- in soil (trenches) with high 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 technological trestles
- with a risk of mechanical damage and tensile forces 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

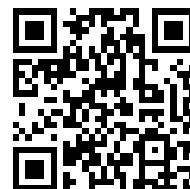
|                                                                              |                 |                                     |
|------------------------------------------------------------------------------|-----------------|-------------------------------------|
| Rated voltage                                                                | kV              | 1                                   |
| Number and rated area of conductors                                          | mm <sup>2</sup> | 3 x 120                             |
| Insulation thickness between conductors                                      | mm              | 1.7                                 |
| Insulation thickness of conductor-sheath                                     | mm              | 1.45                                |
| Sheath thickness                                                             | mm              | 1.35                                |
| Permissible continuous current rating *                                      |                 |                                     |
| • by aerial laying                                                           | A               | 261                                 |
| • by burial                                                                  | A               | 248                                 |
| Operating temperature range                                                  | °C              | -50 ... +50                         |
| Minimum bending radius by laying                                             | mm              | 1175                                |
| Level difference along the laying route, not more than                       | m               | 25                                  |
| Metal sheath outer diameter (for reference only)                             | mm              | 29                                  |
| Rated outer diameter of the cable (for reference) **                         | mm              | 47                                  |
| Cable weight (approximate)                                                   | kg/km           | 4070                                |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16a: 440 • 2.1<br># 18: 500 • 2.5 |

Notes:

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

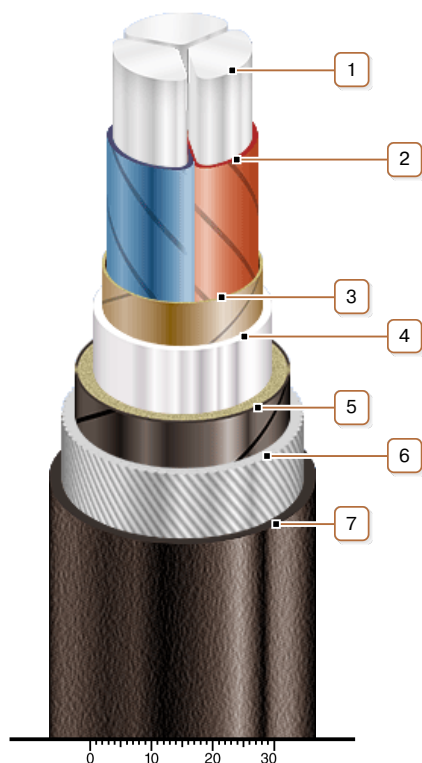
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



## ААП2лШв 3х120(ож)-1 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with non-draining impregnated paper insulation, aluminium-sheathed, steel-wire armoured, with PVC-compound protection hose



### CONSTRUCTION

1. Aluminium conductor
2. Impregnated paper insulation
3. Belt insulation
4. Aluminium sheath
5. Double-layer plastic-tape bedding
6. Round galvanized steel-wire armour
7. Pressed PVC compound protection hose

*Note: Conductor twisting is not illustrated*