**ААП2лШв 3х185-1**  
**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**

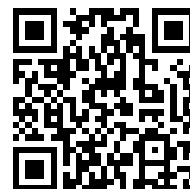
|  |                 |   |
|--|-----------------|---|
| Rated voltage  | kV              | 1   |
| Number and rated area of conductors  | mm <sup>2</sup> | 3 x 185   |
| Insulation thickness between conductors                                      | mm              | 1.9   |
| Insulation thickness of conductor-sheath                                     | mm              | 1.55  |
| Sheath thickness   | mm              | 1.55  |
| Permissible continuous current rating *                                      |                 |   |
| • <i>by aerial laying</i>  | A               | 342   |
| • <i>by burial</i>   | A               | 314   |
| Operating temperature range  | °C              | -50 ... +50   |
| Minimum bending radius by laying   | mm              | 1425  |
| Level difference along the laying route, not more than                       | m               | 25  |
| Metal sheath outer diameter (for reference only)                             | mm              | 40  |
| Rated outer diameter of the cable (for reference) **                         | mm              | 57  |
| Cable weight (approximate)   | kg/km           | 5710  |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 18: 340 • 2.4<br># 20: 550 • 3.8<br># 22: 620 • 4.4 |

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. Aluminium sheath
6. Double-layer plastic-tape bedding
7. Round galvanized steel-wire armour
8. Pressed PVC compound protection hose

*Note: Conductor twisting is not illustrated*

