

## ААГ 4x120(ож)-1 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed

Cables are used for laying:

- *in dry premises (tunnels), ducts, cable cellars, mines, collectors, industrial and other premises*
- *in fire-risk premises*
- *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              | 1           |
| Number and rated area of conductors                   | mm <sup>2</sup> | 4 x 120     |
| Insulation thickness between conductors               | mm              | 1.7         |
| Insulation thickness of conductor-sheath              | mm              | 1.45        |
| Sheath thickness                                      | mm              | 1.45        |
| Permissible continuous current rating *               |                 |             |
| • <i>by aerial laying</i>                             | A               | 243         |
| • <i>by burial</i>                                    | A               | 231         |
| Operating temperature range                           | °C              | -50 ... +50 |
| Minimum bending radius by laying                      | mm              | 900         |
| Level difference along the laying rout, not more than | m               | 25          |
| Metal sheath outer diameter (for reference only)      | mm              | 35          |
| Rated outer diameter of the cable (for reference) **  | mm              | 36          |
| Cable weight (approximate)                            | kg/km           | 2070        |

Notes:

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

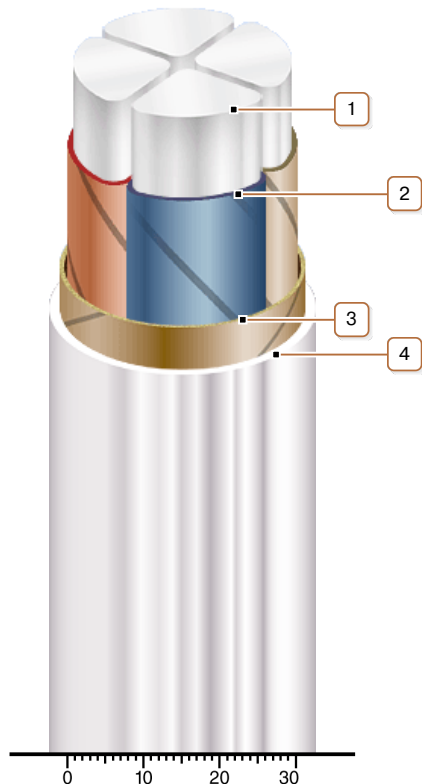
*\* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m*

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



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### **CONSTRUCTION**

1. Aluminium conductor
2. Impregnated paper insulation
3. Belt insulation
4. Aluminium sheath

*Note: Conductor twisting is not illustrated*