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# ААБлГ 3х70(ож)-10 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed, steel-tape armoured

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 corrosivenes
- in fire-risk premises
- · on technological trestles
- · on special cable bridges
- · on bridges
- · with a risk of mechanical damage and no tensile forces in operation

Fire safety code in accordance with ДСТУ 4809:2007: ΠБ100000000

Products of this mark meet the requirements:

· single wire cable flame retardance

### **TECHNICAL SPECIFICATIONS**

| Rated voltage  | kV    | 10              |
|--|-------|-----------------|
| Number and rated area of conductors  | mm²   | 3 x 70          |
| Insulation thikness between conductors                                       | mm    | 5.5             |
| Insulation thikness of conductor-sheath                                      | mm    | 4               |
| Sheath thikness  | mm    | 1.45            |
| Permissible continious current rating *                                      |       |                 |
| • by aerial laying   | Α     | 161             |
| • by burial  | Α     | 162             |
| Operating temperature range  | °C    | -50 +50         |
| Minimum bending radius by laying   | mm    | 1000            |
| Level difference along the laying rout, not more than                        | m     | 15              |
| Metal shaeth outer diameter (for reference only)                             | mm    | 33              |
| Rated outer diameter of the cable (for reference) **                         | mm    | 40              |
| Cable weight (approximate)   | kg/km | 2560            |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t  | # 18: 720 · 2.3 |

#### Notes:

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

<sup>\*</sup> 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

<sup>\*\*</sup> The external diameter may differ from the rated up to  $\pm$  10 %



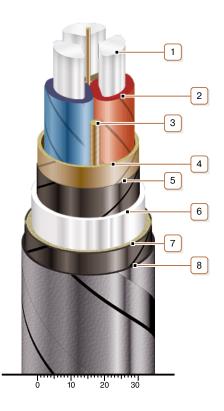




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### **CONSTRUCTION**

- 1. Aluminium conductor
- 2. Impregnated paper insulation
- 3. Cable paper bundle
- 4. Belt insulation
- 5. Conducting paper screen
- 6. Aluminium sheath
- 7. Single-layer plastic-tape bedding
- 8. Double galvanized steel-tape armour

Note: Conductor twisting is not illustrated