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# ААШнг 3x70(ож)-6 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed, with low-flammable PVC-compound protection hose

Cables are used for laying:

- · in soil (trenches) with high corrosiveness without vagabond currents
- · in soil (trenches) with medium 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 corrosivenes
- · in fire-risk premises
- · on bridges
- · in mines, non-hazardous as for gas and dust
- · with no risk of mechanical damage in operation
- · in bunches

Fire safety code in accordance with ДСТУ 4809:2007: ΠБ120000000

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                         | mm²   | 3 x 70           |
| Insulation thikness between conductors                      | mm    | 4                |
| Insulation thikness of conductor-sheath                     | mm    | 2.95             |
| Sheath thikness   | mm    | 1.35             |
| Permissible continious current rating *                     |       |                  |
| by aerial laying  | Α     | 178              |
| • by burial   | Α     | 180              |
| Operating temperature range                                 | °C    | -50 +50          |
| Minimum bending radius by laying                            | mm    | 850              |
| Level difference along the laying rout, not more than       | m     | 20               |
| Metal shaeth outer diameter (for reference only)            | mm    | 29               |
| Rated outer diameter of the cable (for reference) **        | mm    | 34               |
| Cable weight (approximate)                                  | kg/km | 1730             |
| Rated factory cable length and gross weight of the delivery | m, t  | # 16: 330 • 0.8  |
| on the drums ***  |       | # 16a: 870 · 1.8 |

#### Notes:

When ordering it is neccesary 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 %

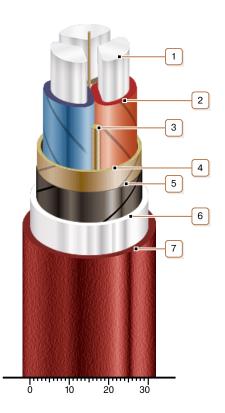






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### **CONSTRUCTION**

- 1. Aluminium conductor
- 2. Impregnated paper insulation
- 3. Cable paper bundle
- 4. Belt insulation
- 5. Conducting paper screen
- 6. Aluminium sheath
- 7. Pressed off low-flammable PVC compound protection hose

Note: Conductor twisting is not illustrated