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## ААП2лШв 3x185+1x95(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 corrosivenes
- · 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                         | mm²   | 3 x 185 + 1 x 95 |
| Insulation thikness between conductors                      | mm    | 1.9              |
| Insulation thikness of conductor-sheath                     | mm    | 1.55             |
| Sheath thikness   | mm    | 1.55             |
| Permissible continious current rating *                     |       |                  |
| • by aerial laying  | А     | 342              |
| • by burial   | А     | 314              |
| Operating temperature range                                 | °C    | -50 +50          |
| Minimum bending radius by laying                            | mm    | 1450             |
| Level difference along the laying rout, not more than       | m     | 25               |
| Metal shaeth outer diameter (for reference only)            | mm    | 40               |
| Rated outer diameter of the cable (for reference) **        | mm    | 58               |
| Cable weight (approximate)                                  | kg/km | 6060             |
| Rated factory cable length and gross weight of the delivery | m, t  | # 18: 340 • 2.5  |
| on the drums ***  |       | # 20: 550 • 4.0  |
|   |       | # 22: 620 • 4.6  |

#### 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 %



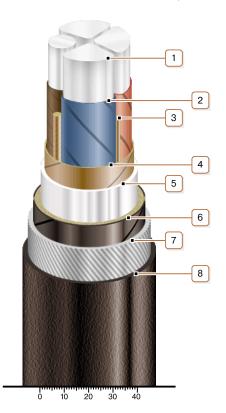




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### **CONSTRUCTION**

- 1. Aluminium conductor
- 2. Impregnated paper insulation
- 3. Cable paper bundle
- 4. Belt insulation
- 5. 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