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ААПлГ 3х120(ож)-1 ТУ У 27.3-00214534-091:2017



Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed, steel-wire 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 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 120 |
| Insulation thikness between conductors | mm | 1.7 |
| Insulation thikness of conductor-sheath | mm | 1.45 |
| Sheath thikness | mm | 1.35 |
| Permissible continious current rating * | | |
| by aerial laying | А | 261 |
| • by burial | А | 248 |
| Operating temperature range | °C | -50 +50 |
| Minimum bending radius by laying | mm | 1050 |
| Level difference along the laying rout, not more than | m | 25 |
| Metal shaeth outer diameter (for reference only) | mm | 29 |
| Rated outer diameter of the cable (for reference) ** | mm | 42 |
| Cable weight (approximate) | kg/km | 3500 |
| Rated factory cable length and gross weight of the delivery | m, t | # 16a: 570 • 2.3 |
| on the drums | | # 18: 660 • 2.8 |
| Notoc | | |

Notes:

When ordering it is neccesary 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 \cdot m/W, laying depth in the soil 0.7 m

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

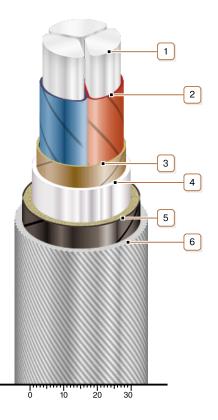




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CONSTRUCTION

- 1. Aluminium conductor
- 2. Impregnated paper insulation
- 3. Belt insulation
- 4. Aluminium sheath
- 5. Single-layer plastic-tape bedding
- 6. Round galvanized steel-wire armour

Note: Conductor twisting is not illustrated