



ААПлГ 4x50(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 corrosiveness
- 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 | mm ² | 4 x 50 |
| Insulation thickness between conductors | mm | 1.5 |
| Insulation thickness of conductor-sheath | mm | 1.25 |
| Sheath thickness | mm | 1.3 |
| Permissible continuous current rating * | | |
| • by aerial laying | A | 136 |
| • by burial | A | 142 |
| Operating temperature range | °C | -50 ... +50 |
| Minimum bending radius by laying | mm | 925 |
| Level difference along the laying rout, not more than | m | 25 |
| Metal sheath outer diameter (for reference only) | mm | 24 |
| Rated outer diameter of the cable (for reference) ** | mm | 37 |
| Cable weight (approximate) | kg/km | 2690 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 16a: 700 • 2.1 |

Notes:

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

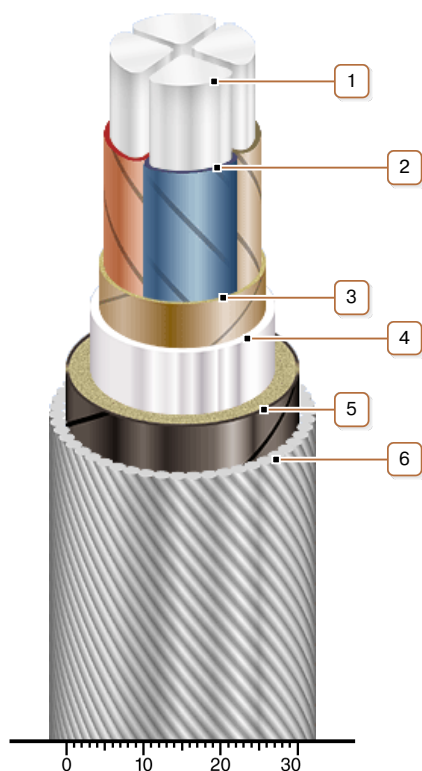
* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

** 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
5. Single-layer plastic-tape bedding
6. Round galvanized steel-wire armour

Note: Conductor twisting is not illustrated