



ААПлГ 4x150(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 150 |
| Insulation thickness between conductors | mm | 1.7 |
| Insulation thickness of conductor-sheath | mm | 1.45 |
| Sheath thickness | mm | 1.5 |
| Permissible continuous current rating * | | |
| • by aerial laying | A | 279 |
| • by burial | A | 261 |
| Operating temperature range | °C | -50 ... +50 |
| Minimum bending radius by laying | mm | 1250 |
| Level difference along the laying route, not more than | m | 25 |
| Metal sheath outer diameter (for reference only) | mm | 38 |
| Rated outer diameter of the cable (for reference) ** | mm | 50 |
| Cable weight (approximate) | kg/km | 4910 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 18: 460 • 2.7 # 20: 740 • 4.3 |

Notes:

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

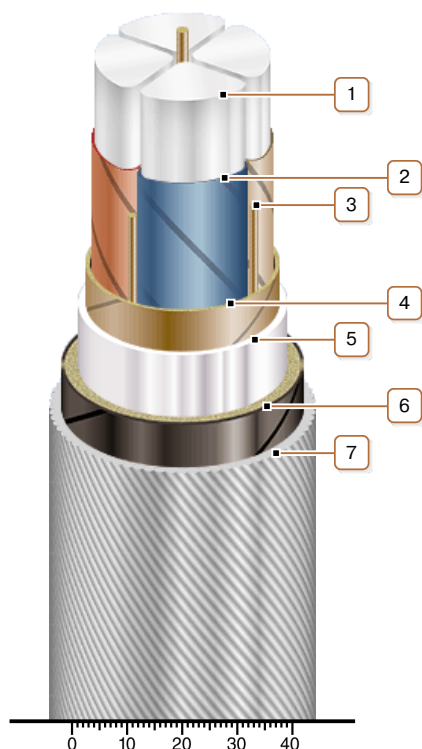
* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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CONSTRUCTION

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

Note: Conductor twisting is not illustrated