



ААШп 4x50(ож)-1 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed, with polyethylene protection hose

Cables are used for laying:

- in soil (trenches) with high corrosiveness, as well as with vagabond currents
- with no risk of mechanical damage in operation

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 | 725 |
| 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 | 29 |
| Cable weight (approximate) | kg/km | 1140 |
| Rated factory cable length and gross weight of the delivery on the drums | m, t | # 16: 420 • 0.7 |

Notes:

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

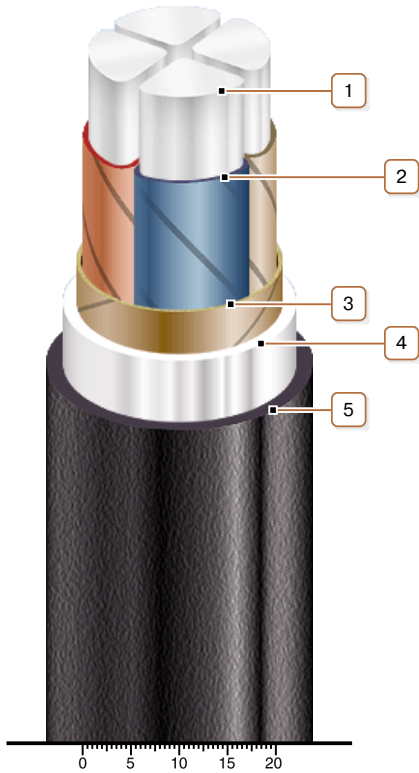
* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



ААШп 4x50(ож)-1 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed, with polyethylene protection hose



CONSTRUCTION

1. Aluminium conductor
2. Impregnated paper insulation
3. Belt insulation
4. Aluminium sheath
5. Pressed off polyethylene protection hose

Note: Conductor twisting is not illustrated