



AAШп 4x185-1 TY Y 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 185 |
| Insulation thickness between conductors | mm | 1.9 |
| Insulation thickness of conductor-sheath | mm | 1.55 |
| Sheath thickness | mm | 1.75 |
| Permissible continuous current rating * | | |
| • <i>by aerial laying</i> | A | 318 |
| • <i>by burial</i> | A | 292 |
| Operating temperature range | °C | -50 ... +50 |
| Minimum bending radius by laying | mm | 1300 |
| Level difference along the laying rout, not more than | m | 25 |
| Metal sheath outer diameter (for reference only) | mm | 45 |
| Rated outer diameter of the cable (for reference) ** | mm | 52 |
| Cable weight (approximate) | kg/km | 3700 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 20: 680 • 3.2 |

Notes:

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

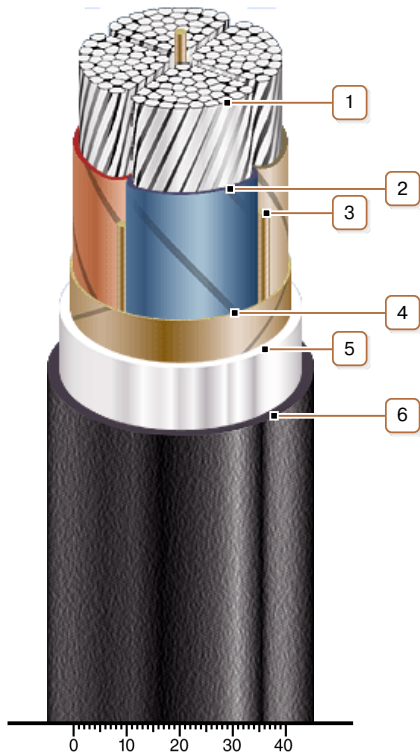
** Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m*

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



ААШп 4x185-1 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 multiwire compacted conductor
2. Impregnated paper insulation
3. Cable paper bundle
4. Belt insulation
5. Aluminium sheath
6. Pressed off polyethylene protection hose

Note: Conductor twisting is not illustrated