



## ААПл 3х185+1х95(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 soil (trenches) with medium corrosiveness without vagabond currents*
- *with a risk of mechanical damage and tensile forces in operation*

### TECHNICAL SPECIFICATIONS

|  |                 |   |
|--|-----------------|---|
| Rated voltage  | kV              | 1   |
| Number and rated area of conductors  | mm <sup>2</sup> | 3 x 185 + 1 x 95                                      |
| Insulation thickness between conductors                                      | mm              | 1.9   |
| Insulation thickness of conductor-sheath                                     | mm              | 1.55  |
| Sheath thickness   | mm              | 1.55  |
| Permissible continuous current rating *                                      |                 |   |
| • <i>by aerial laying</i>  | A               | 342   |
| • <i>by burial</i>   | A               | 314   |
| Operating temperature range  | °C              | -50 ... +50   |
| Minimum bending radius by laying   | mm              | 1425  |
| Level difference along the laying rout, not more than                        | m               | 25  |
| Metal sheath outer diameter (for reference only)                             | mm              | 40  |
| Rated outer diameter of the cable (for reference) **                         | mm              | 57  |
| Cable weight (approximate)   | kg/km           | 5700  |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 18: 340 • 2.4<br># 20: 550 • 3.8<br># 22: 620 • 4.3 |

Notes:

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

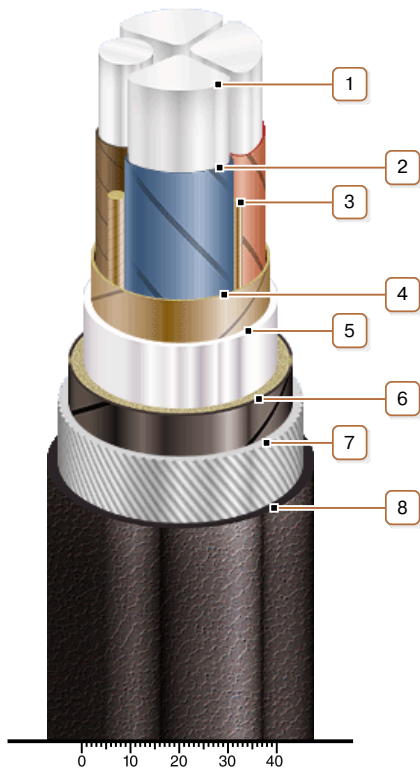
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

\*\* 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
8. Outer covering

*Note: Conductor twisting is not illustrated*