



## ААПл 3x120-6 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              | 6   |
| Number and rated area of conductors                                      | mm <sup>2</sup> | 3 x 120   |
| Insulation thickness between conductors                                  | mm              | 4   |
| Insulation thickness of conductor-sheath                                 | mm              | 2.95  |
| Sheath thickness   | mm              | 1.5   |
| Permissible continuous current rating *                                  |                 |   |
| • <i>by aerial laying</i>  | A               | 248   |
| • <i>by burial</i>   | A               | 243   |
| Operating temperature range  | °C              | -50 ... +50   |
| Minimum bending radius by laying   | mm              | 1350  |
| Level difference along the laying rout, not more than                    | m               | 20  |
| Metal sheath outer diameter (for reference only)                         | mm              | 37  |
| Rated outer diameter of the cable (for reference) **                     | mm              | 54  |
| Cable weight (approximate)   | kg/km           | 5090  |
| Rated factory cable length and gross weight of the delivery on the drums | m, t            | # 18: 400 • 2.5<br># 20: 630 • 3.8<br># 22: 720 • 4.5 |

Notes:

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

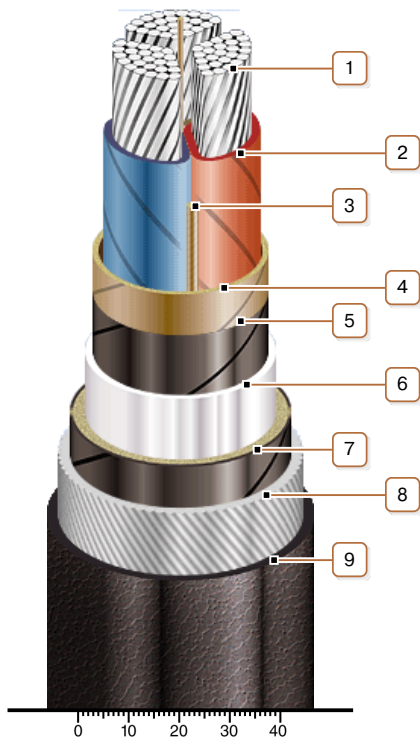
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



## ААПл 3х120-6 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed, steel-wire armoured



### CONSTRUCTION

1. Aluminium multiwire compacted conductor
2. Impregnated paper insulation
3. Cable paper bundle
4. Belt insulation
5. Conducting paper screen
6. Aluminium sheath
7. Single-layer plastic-tape bedding
8. Round galvanized steel-wire armour
9. Outer covering

Note: Conductor twisting is not illustrated