



## АПвБ6Шп 4x70 (ож)-1 ТУ У 31.3-00214534-048:2007

Power cables with aluminium conductors, XLPE-insulated, galvanized steel-tape armoured, with polyethylene protection hose

Cables are used for laying:

- in premises, tunnels, collectors, in soil (trenches), in corrosive environment
- in places, where small mechanical impacts on cable are possible, including tensile forces

Manufacturing of cable with multiwire conductors is possible

### TECHNICAL SPECIFICATIONS

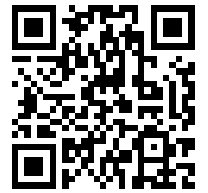
|  |                 |   |
|--|-----------------|---|
| Rated voltage  | kV              | 1   |
| Number and rated area of conductors                                      | mm <sup>2</sup> | 4 x 70  |
| Phase insulation thickness   | mm              | 1.1   |
| Permissible continuous current rating (AC of industrial frequency) *     |                 |   |
| • by aerial laying   | A               | 188   |
| • by burial  | A               | 181   |
| Maximum permissible conductor temperature                                |                 |   |
| • Continuous   | °C              | +90   |
| • in emergency operation   | °C              | +130  |
| • at short circuit   | °C              | +250  |
| Operating temperature range  | °C              | -60 ... +50   |
| Minimum bending radius by laying   | mm              | 300   |
| Rated outer diameter of the cable (for reference) **                     | mm              | 40  |
| Cable weight (approximate)   | kg/km           | 1860  |
| Rated factory cable length and gross weight of the delivery on the drums | m, t            | # 16a: 630 • 1.4<br># 18: 720 • 1.8<br># 20: 1160 • 2.8 |

#### Notes:

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

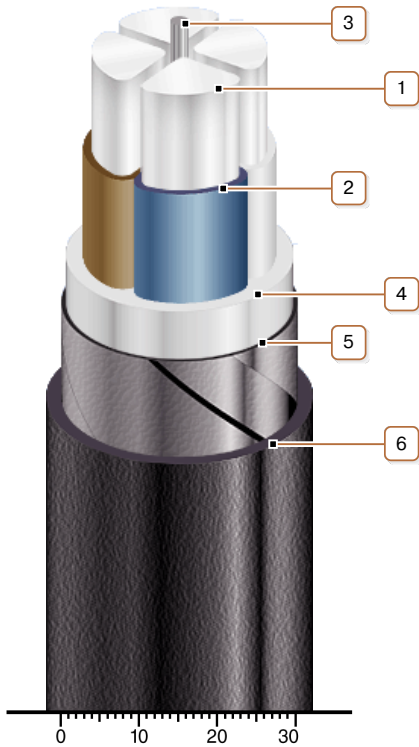
\* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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### CONSTRUCTION

1. Aluminium conductor
2. XLPE insulation
3. PVC compound bundle
4. PVC compound belt insulation
5. Double galvanized steel-tape armour
6. Pressed off polyethylene protection hose

Note: Conductor twisting is not illustrated