



## ACB 4x70-1 TY Y 27.3-00214534-091:2017

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

Cables are used for laying:

- in soil (trenches) with medium corrosiveness without vagabond currents
- in soil (trenches) with low corrosiveness, as well as with vagabond currents
- in mines, non-hazardous as for gas and dust
- with a risk of mechanical damage and no tensile forces in operation

### TECHNICAL SPECIFICATIONS

|  |                 |                                     |
|--|-----------------|-------------------------------------|
| Rated voltage  | kV              | 1                                   |
| Number and rated area of conductors  | mm <sup>2</sup> | 4 x 70                              |
| Insulation thickness between conductors                                      | mm              | 1.5                                 |
| Insulation thickness of conductor-sheath                                     | mm              | 1.25                                |
| Sheath thickness   | mm              | 1.36                                |
| Permissible continuous current rating *                                      |                 |                                     |
| • by aerial laying   | A               | 167                                 |
| • by burial  | A               | 171                                 |
| Operating temperature range  | °C              | -50 ... +50                         |
| Minimum bending radius by laying   | mm              | 630                                 |
| Level difference along the laying rout, not more than                        | m               | 25                                  |
| Metal sheath outer diameter (for reference only)                             | mm              | 30                                  |
| Rated outer diameter of the cable (for reference) **                         | mm              | 42                                  |
| Cable weight (approximate)   | kg/km           | 3640                                |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16a: 570 • 2.3<br># 18: 660 • 2.9 |

Notes:

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

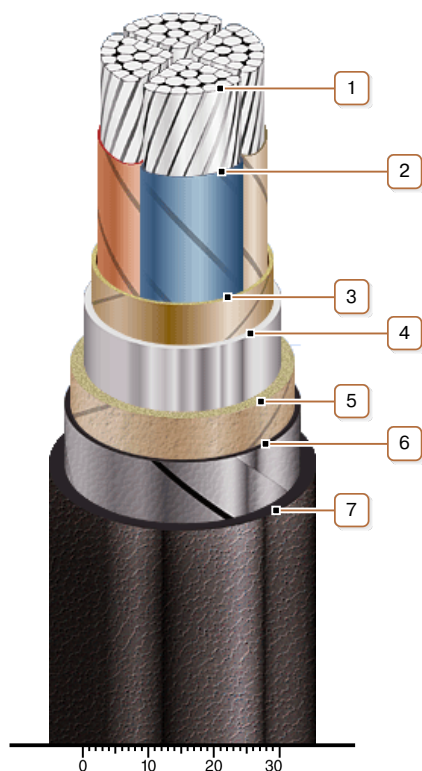
\* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



## АСБ 4х70-1 ТУ У 27.3-00214534-091:2017

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



### CONSTRUCTION

1. Aluminium multiwire compacted conductor
2. Impregnated paper insulation
3. Belt insulation
4. Lead sheath
5. Bedding
6. Double steel-tape armour
7. Outer covering

*Note: Conductor twisting is not illustrated*