



## СБл 4x120-1 ТУ У 27.3-00214534-091:2017

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

Cables are used for laying:

- *in soil (trenches) with high corrosiveness without vagabond currents*
- *in soil (trenches) with medium 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 120                             |
| Insulation thickness between conductors                                      | mm              | 1.7                                 |
| Insulation thickness of conductor-sheath                                     | mm              | 1.45                                |
| Sheath thickness   | mm              | 1.46                                |
| Permissible continuous current rating *                                      |                 |                                     |
| • <i>by aerial laying</i>  | A               | 324                                 |
| • <i>by burial</i>   | A               | 302                                 |
| Operating temperature range  | °C              | -50 ... +50                         |
| Minimum bending radius by laying   | mm              | 705                                 |
| Level difference along the laying rout, not more than                        | m               | 20                                  |
| Metal sheath outer diameter (for reference only)                             | mm              | 36                                  |
| Rated outer diameter of the cable (for reference) **                         | mm              | 47                                  |
| Cable weight (approximate)   | kg/km           | 7730                                |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16a: 440 • 3.7<br># 18: 500 • 4.3 |

Notes:

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

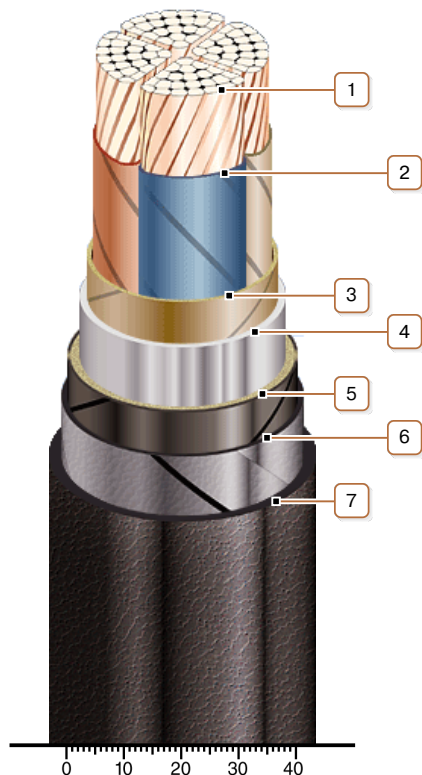
\* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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### CONSTRUCTION

1. Copper multiwire compact conductor
2. Impregnated paper insulation
3. Belt insulation
4. Lead sheath
5. Single-layer plastic-tape bedding
6. Double steel-tape armour
7. Outer covering

*Note: Conductor twisting is not illustrated*