

СБ 3x50(ож)-10 **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 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 | 10 |
| Number and rated area of conductors | mm ² | 3 x 50 |
| Insulation thickness between conductors | mm | 5.5 |
| Insulation thickness of conductor-sheath | mm | 4 |
| Sheath thickness | mm | 1.36 |
| Permissible continuous current rating * | | |
| • <i>by aerial laying</i> | A | 175 |
| • <i>by burial</i> | A | 176 |
| Operating temperature range | °C | -50 ... +50 |
| Minimum bending radius by laying | mm | 630 |
| Level difference along the laying rout, not more than | m | 15 |
| Metal sheath outer diameter (for reference only) | mm | 30 |
| Rated outer diameter of the cable (for reference) ** | mm | 42 |
| Cable weight (approximate) | kg/km | 4320 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 16a: 570 • 2.7 # 18: 660 • 3.3 |

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

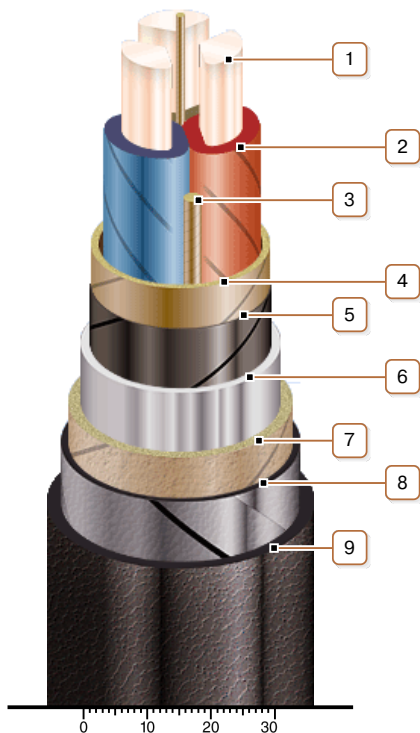
** The external diameter may differ from the rated up to ± 10 %



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CONSTRUCTION



1. Copper conductor
2. Impregnated paper insulation
3. Cable paper bundle
4. Belt insulation
5. Conducting paper screen
6. Lead sheath
7. Bedding
8. Double steel-tape armour
9. Outer covering

Note: Conductor twisting is not illustrated