

## СБнлШнг 3x50(ож)-10 ТУ У 27.3-00214534-091:2017

Power cables with copper conductors, with impregnated paper insulation, lead-sheathed, steel-tape armoured, with low-flammable PVC-compound protection hose

Cables are used for laying:

- *in fire-risk premises*
- *on special cable bridges*
- *with a risk of mechanical damage and no tensile forces in operation*
- *in bunches*

Fire safety code in accordance with ДСТУ 4809:2007: ПБ120000000

Products of this mark meet the requirements:

- *single wire cable flame retardance*
- *bunched cable flame retardance category A*

### TECHNICAL SPECIFICATIONS

|  |                 |                                     |
|--|-----------------|-------------------------------------|
| Rated voltage  | kV              | 10                                  |
| Number and rated area of conductors  | mm <sup>2</sup> | 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           | 4640                                |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16a: 570 • 2.9<br># 18: 660 • 3.5 |

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

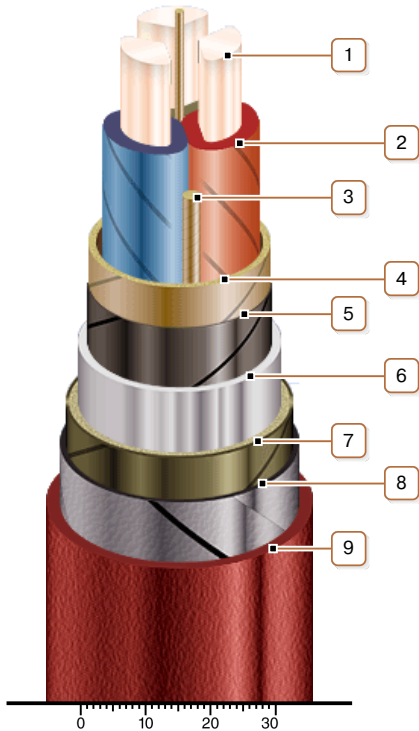
\*\* The external diameter may differ from the rated up to ± 10 %



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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. Plastic-tape and glass-tape bedding
8. Double galvanized steel-tape armour
9. Pressed off low-flammable PVC compound protection hose

Note: Conductor twisting is not illustrated