



## **СБГ 4x150-1** **TY Y 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 dry premises (tunnels), ducts, cable cellars, mines, collectors, industrial and other premises, including damp, partially flooded premises, environment with medium and high corrosiveness*
- *in fire-risk premises*
- *on technological trestles*
- *on special cable bridges*
- *with a risk of mechanical damage and no tensile forces in operation*

Fire safety code in accordance with ДСТУ 4809:2007: ПБ100000000

Products of this mark meet the requirements:

- *single wire cable flame retardance*

### **TECHNICAL SPECIFICATIONS**

|                                                                              |                 |                      |
|------------------------------------------------------------------------------|-----------------|----------------------|
| Rated voltage                                                                | kV              | 1                    |
| Number and rated area of conductors                                          | mm <sup>2</sup> | 4 x 150              |
| Insulation thickness between conductors                                      | mm              | 1.7                  |
| Insulation thickness of conductor-sheath                                     | mm              | 1.45                 |
| Sheath thickness                                                             | mm              | 1.52                 |
| Permissible continuous current rating *                                      |                 |                      |
| • <i>by aerial laying</i>                                                    | A               | 372                  |
| • <i>by burial</i>                                                           | A               | 339                  |
| 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              | 40                   |
| Rated outer diameter of the cable (for reference) **                         | mm              | 47                   |
| Cable weight (approximate)                                                   | kg/km           | 9190                 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 18: **** 494 • 5.0 |

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*

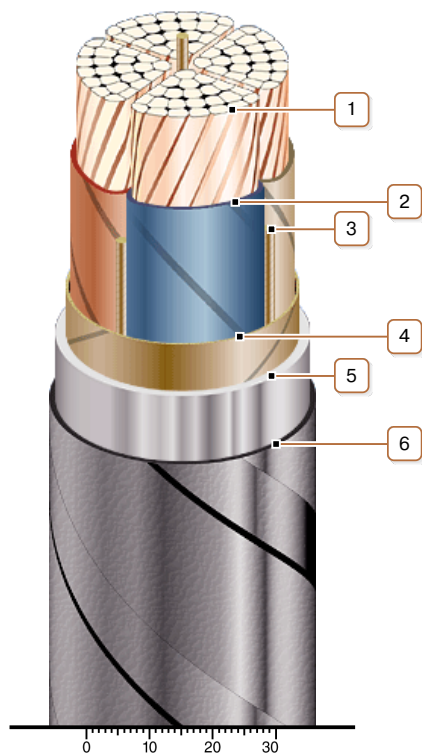
*\*\* The external diameter may differ from the rated up to ± 10 %*

*\*\*\*\* Option delivery on not full drum*



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### **CONSTRUCTION**

1. *Copper multiwire compact conductor*
2. *Impregnated paper insulation*
3. *Cable paper bundle*
4. *Belt insulation*
5. *Lead sheath*
6. *Double galvanized steel-tape armour*

*Note: Conductor twisting is not illustrated*