



## СБШВ 4х240-1 ТУ У 27.3-00214534-091:2017

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

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 fire-risk premises
- on technological trestles
- on special cable bridges
- in mines, non-hazardous as for gas and dust
- 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

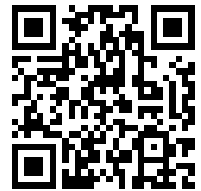
|                                                                              |                 |                 |
|------------------------------------------------------------------------------|-----------------|-----------------|
| Rated voltage                                                                | kV              | 1               |
| Number and rated area of conductors                                          | mm <sup>2</sup> | 4 x 240         |
| Insulation thickness between conductors                                      | mm              | 1.9             |
| Insulation thickness of conductor-sheath                                     | mm              | 1.55            |
| Sheath thickness                                                             | mm              | 1.72            |
| Permissible continious current rating *                                      |                 |                 |
| • by aerial laying                                                           | A               | 485             |
| • by burial                                                                  | A               | 423             |
| Operating temperature range                                                  | °C              | -50 ... +50     |
| Minimum bending radius by laying                                             | mm              | 960             |
| Level difference along the laying rout, not more than                        | m               | 20              |
| Metal shaeth outer diameter (for reference only)                             | mm              | 50              |
| Rated outer diameter of the cable (for reference) **                         | mm              | 64              |
| Cable weight (approximate)                                                   | kg/km           | 14620           |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 18: 270 • 4.4 |

Notes:

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

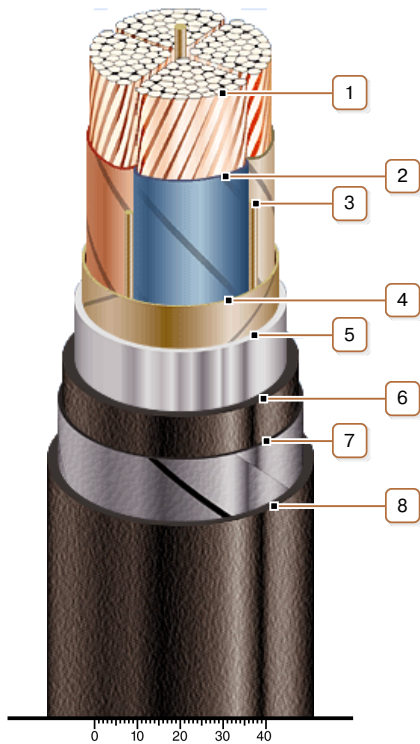
\* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

\*\* 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. Cable paper bundle
4. Belt insulation
5. Lead sheath
6. Bedding with PVC compound moulded-in hose
7. Double steel-tape armour
8. Pressed PVC compound protection hose

*Note: Conductor twisting is not illustrated*