



## БК6Шв 3x2.5-0.66 TY Y 31.3-00214534-057:2007

Power cables with copper conductors, with PVC-compound insulation, galvanized steel-wire armoured, with PVC-compound protection hose

Cables are used for laying:

- *single laying*
- *in premises, dry ducts and tunnels, in corrosive environment*
- *in places, where small mechanical impacts on cable are possible, including tensile forces*

It is possible manufacturing of cables in cold-resistant performance (БК6Шв-ХЛ)

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              | 0.66             |
| Number and rated area of conductors                                          | mm <sup>2</sup> | 3 x 2.5          |
| Insulation thickness                                                         | mm              | 0.6              |
| Armor wire diameter                                                          | mm              | 0.3              |
| Permissible continuous current rating *                                      |                 |                  |
| • <i>by aerial laying (AC of industrial frequency) *</i>                     | A               | 27               |
| • <i>by burial (AC of industrial frequency) *</i>                            | A               | 36               |
| Maximum permissible conductor temperature                                    |                 |                  |
| • <i>Continuous</i>                                                          | °C              | +70              |
| • <i>in emergency operation</i>                                              | °C              | +80              |
| • <i>at short circuit</i>                                                    | °C              | +160             |
| Operating temperature range                                                  | °C              | -50 ... +50      |
| Minimum bending radius by laying                                             | mm              | 90               |
| Rated outer diameter of the cable (for reference) **                         | mm              | 12               |
| Cable weight (approximate)                                                   | kg/km           | 240              |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 10: 1650 • 0.5 |

Notes:

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

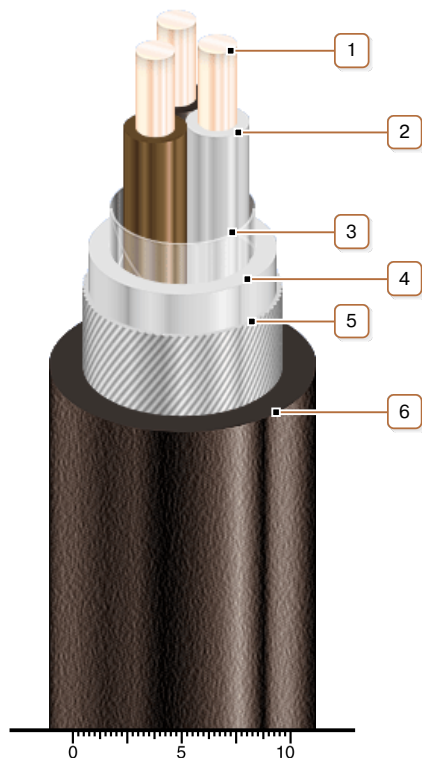
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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## CONSTRUCTION

1. Copper conductor
2. PVC compound insulation
3. PET film winding
4. PVC compound belt insulation
5. Round galvanized steel-wire armour
6. Pressed PVC compound protection hose

*Notes:*

- It is possible manufacturing of cables in cold-resistant performance (БК6ШВ-ХЛ)
- Conductor twisting is not illustrated