



БК6Шв 4x6-1 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 | 1 |
| Number and rated area of conductors | mm ² | 4 x 6 |
| Phase insulation thickness | mm | 1 |
| Armor wire diameter | mm | 0.3 |
| Permissible continuous current rating (AC of industrial frequency) * | | |
| • <i>by aerial laying</i> | A | 42 |
| • <i>by burial</i> | A | 54 |
| 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 | 127.5 |
| Rated outer diameter of the cable (for reference) ** | mm | 17 |
| Cable weight (approximate) | kg/km | 520 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 12: 1130 • 0.7 |

Notes:

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

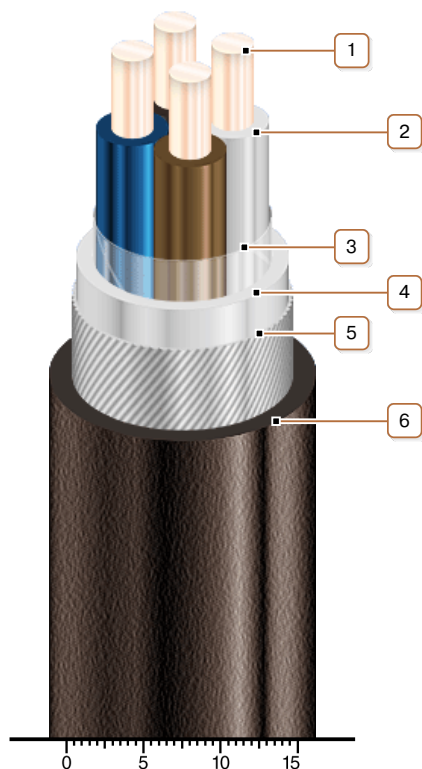
* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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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

Note: Conductor twisting is not illustrated