

ВКБШвнг 3x4-0.66 ТУ У 31.3-00214534-057:2007

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

Cables are used for laying:

- *in bunches*
- *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 (ВКБШвнг-ХЛ)

It is possible manufacturing of cables of low fire risk (ВКБШнгд), including fire-resistant (ВКБШнгд-FR) and cold-resistant (ВКБШнгд-ХЛ)

It is possible manufacturing of cables with polymer compound sheath, halogen-free (ВКБПнг-НФ), including fire-resistant (ВКБПнг-FRHF)

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 | 0.66 |
| Number and rated area of conductors | mm ² | 3 x 4 |
| Insulation thickness | mm | 0.7 |
| Armor wire diameter | mm | 0.3 |
| Permissible continuous current rating * | | |
| • <i>by aerial laying (AC of industrial frequency) *</i> | A | 36 |
| • <i>by burial (AC of industrial frequency) *</i> | A | 47 |
| 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 | -40 ... +50 |
| Minimum bending radius by laying | mm | 105 |
| Rated outer diameter of the cable (for reference) ** | mm | 14 |
| Cable weight (approximate) | kg/km | 320 |
| Rated factory cable length and gross weight of the delivery on the drums | m, t | # 10: 1210 • 0.5 # 12: 1670 • 0.6 |

Notes:

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

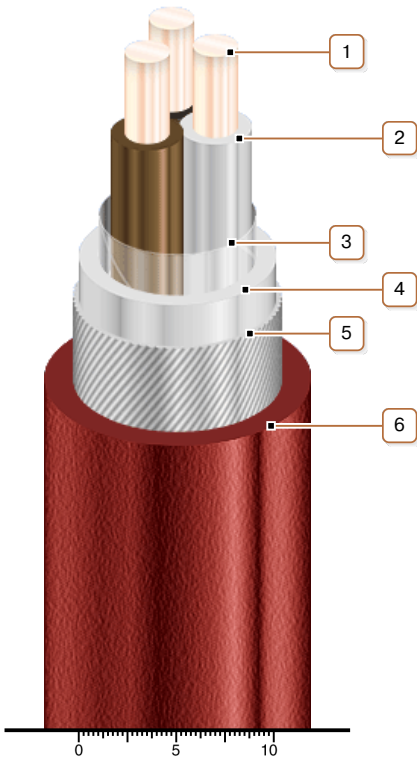
* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

** 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 off low-flammable PVC compound protection hose

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- It is possible manufacturing of cables with polymer compound sheath, halogen-free (ВКБПнг-НФ), including fire-resistant (ВКБПнг-FRHF)
- Conductor twisting is not illustrated