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-HF), 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 | $\mathrm{mm}^{2}$ | $3 \times 2.5$ |
| Insulation thikness | mm | 0.6 |
| Armor wire diameter | mm | 0.3 |
| Permissible continious current rating ${ }^{*}$ |  |  |
| • by aerial laying (AC of industrial frequency) ${ }^{*}$ | A | 27 |
| $\cdot$ by burial (AC of industrial frequency) ${ }^{*}$ | A | 36 |
| Maximum permissible conductor temperature |  |  |
| $\cdot$ Continious | ${ }^{\circ} \mathrm{C}$ | +70 |
| $\cdot$ in emergency operation | ${ }^{\circ} \mathrm{C}$ | +80 |
| $\cdot$ at short circuit | ${ }^{\circ} \mathrm{C}$ | +160 |
| Operating temperature range | ${ }^{\circ} \mathrm{C}$ | $-40 \ldots+50$ |
| Minimum bending radius by laying | mm | 90 |
| Rated outer diameter of the cable (for reference) ${ }^{* *}$ | mm | 12 |
| Cable weight (approximate) | $\mathrm{kg} / \mathrm{km}$ | 250 |
| Rated factory cable length and gross weight of the delivery | $\mathrm{m}, \mathrm{t}$ | $\# 10: 1650 \cdot 0.5$ |
| on the drums |  |  |

[^0]PRODUCTION GUIDE 7, Autogennaya Str., Kharkov, 6109

## ВКбШвнг 3x2.5-0.66

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


## 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

Note: conductor twisting is not illustrated


[^0]:    Notes:
    When ordering it is neccesary to agree the factory length of the product with the manufacturer

    * Long permissible current loads are calculated for the following conditions: air temperature plus $25^{\circ} \mathrm{C}$, soil temperature plus $15{ }^{\circ} \mathrm{C}$, thermal resistivity of soil $1.2^{\circ} \mathrm{K} \cdot \mathrm{m} / \mathrm{W}$, laying depth in the soil 0.7 m
    ** The external diameter may differ from the rated up to $\pm 10 \%$

