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## ВВГнг 3х2.5-1 ТУ У 31.3-00214534-018-2003



Power cables with copper conductors, with PVC-compound insulation, with low-flammable PVC-compound outer sheath

Cables are used for laying:

- in bunches
- · in premises, dry ducts and tunnels, in corrosive environment

Manufacturing of cable with PVC compound belt insulation is possible

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    | 1                |
|--|-------|------------------|
| Number and rated area of conductors                                | mm²   | 3 x 2.5          |
| Phase insulation thikness  | mm    | 0.8              |
| Permissible continious current rating (AC of industrial frequency) | *     |                  |
| • by aerial laying   | А     | 27               |
| • by burial  | А     | 36               |
| Maximum permissible conductor temperature                          |       |                  |
| Continious   | °C    | +70              |
| in emergency operation   | °C    | +90              |
| at short circuit   | °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 | 160              |
| Rated factory cable length and gross weight of the delivery        | m, t  | # 10: 1650 · 0.3 |
| on the drums ***   |       |                  |
|  |       |                  |

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 °C, soil temperature plus 15 °C,

thermal resistivity of soil 1.2  $^{\circ}$ K•m/W, laying depth in the soil 0.7 m

 $^{**}$  The external diameter may differ from the rated up to  $\pm$  10 %





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## CONSTRUCTION

- 1. Copper conductor
- 2. PVC compound insulation
- 3. PET film winding
- 4. Low flammable PVC compound outer sheath

Note: Conductor twisting is not illustrated

0 2 4 6 8