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## ПвБВнг 1x300-1 ТУ У 31.3-00214534-018-2003



Power cables with copper conductors, XLPE-insulated, galvanized steel-tape armoured, with low-flammable PVC-compound outer sheath

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

Manufacturing of cable with PVC compound belt insulation is possible

Fire safety code in accordance with ДСТУ 4809:2007: ΠБ120000000 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   | 1 x 300          |
| Phase insulation thikness   | mm    | 1.8              |
| Permissible continious current rating (AC of industrial frequence | cy) * |                  |
| • by aerial laying  | А     | 739              |
| • by burial   | А     | 575              |
| Permissible continious current rating (DC) *                      |       |                  |
| • by aerial laying  | А     | 956              |
| • by burial   | А     | 924              |
| Maximum permissible conductor temperature                         |       |                  |
| Continious  | °C    | +90              |
| in emergency operation  | °C    | +130             |
| at short circuit  | °C    | +250             |
| Operating temperature range                                       | °C    | -50 +50          |
| Minimum bending radius by laying                                  | mm    | 340              |
| Rated outer diameter of the cable (for reference) **              | mm    | 34               |
| Cable weight (approximate)  | kg/km | 3430             |
| Rated factory cable length and gross weight of the delivery       | m, t  | # 14: 540 • 2.0  |
| on the drums ***  |       | # 16a: 870 • 3.2 |
|   |       | # 18: 1000 • 3.9 |

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 °K • m/W, laying depth in the soil 0.7 m

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

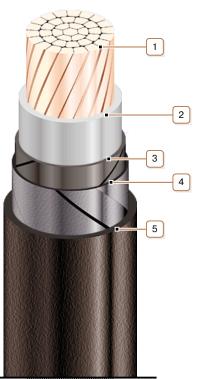




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## CONSTRUCTION

- 1. Copper multiwire compact conductor
- 2. XLPE insulation
- 3. Tape core wrapping
- 4. Double galvanized steel-tape armour
- 5. Low flammable PVC compound outer sheath

0 5 10 15 20