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# ВБбШнг 3х120-6 ТУ У 31.3-00214534-018-2003

Power cables with copper conductors, with PVC-compound insulation, galvanized steel-tape 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

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    | 6               |
|--|-------|-----------------|
|  |       |                 |
| Number and rated area of conductors                                  | mm²   | 3 x 120         |
| Phase insulation thikness  | mm    | 3.4             |
| Permissible continious current rating (AC of industrial frequency) * |       |                 |
| • by aerial laying   | Α     | 302             |
| • by burial  | Α     | 317             |
| 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    | 405             |
| Rated outer diameter of the cable (for reference) **                 | mm    | 54              |
| Cable weight (approximate)   | kg/km | 6050            |
| Rated factory cable length and gross weight of the delivery          | m, t  | # 18: 400 • 2.9 |
| on the drums ***   |       | # 20: 630 • 4.5 |
|  |       |                 |

#### Notes:

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

<sup>\*</sup> 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

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



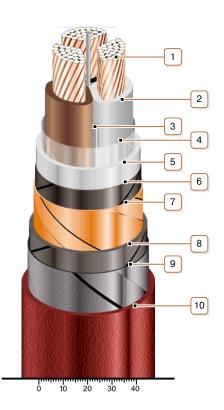




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## **CONSTRUCTION**

- 1. Copper multiwire compact conductor
- 2. PVC compound insulation
- 3. PVC compound bundle
- 4. PET film winding
- 5. PVC compound belt insulation
- 6. Lapping layer of semiconductive paper
- 7. Copper screen
- 8. Tape bedding
- 9. Double galvanized steel-tape armour
- 10. Pressed off low-flammable PVC compound protection hose

Note: Conductor twisting is not illustrated