







## АПвБВнг 4х6 (ож)-1 ТУ У 31.3-00214534-018-2003

Power cables with aluminium 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

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   | 4 x 6            |
| Phase insulation thikness  | mm    | 0.7              |
| Permissible continious current rating (AC of industrial frequency) * |       |                  |
| by aerial laying   | Α     | 39               |
| • by burial  | Α     | 46               |
| 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    | 150              |
| Rated outer diameter of the cable (for reference) **                 | mm    | 20               |
| Cable weight (approximate)   | kg/km | 470              |
| Rated factory cable length and gross weight of the delivery          | m, t  | # 12: 820 • 0.5  |
| on the drums ***   |       | # 14: 1570 • 0.9 |
|  |       |                  |

#### 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 during operation in four-wire networks with load in all the conductors 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. Aluminium conductor
- 2. XLPE insulation
- 3. PET film winding
- 4. PVC compound belt insulation
- 5. Double galvanized steel-tape armour
- 6. Low flammable PVC compound outer sheath

Note: Conductor twisting is not illustrated