



## **BBГз 3x4-1** **TY Y 31.3-00214534-048:2007**

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

Cables are used for laying:

- *single laying*
- *in premises, dry ducts and tunnels, in corrosive environment*

Fire safety code in accordance with ДСТУ 4809:2007: ПБ100000000

Products of this mark meet the requirements:

- *single wire cable flame retardance*

### **TECHNICAL SPECIFICATIONS**

|                                                                              |                 |                  |
|------------------------------------------------------------------------------|-----------------|------------------|
| Rated voltage                                                                | kV              | 1                |
| Number and rated area of conductors                                          | mm <sup>2</sup> | 3 x 4            |
| Phase insulation thickness                                                   | mm              | 1                |
| Permissible continious current rating (AC of industrial frequency) *         |                 |                  |
| • <i>by aerial laying</i>                                                    | A               | 36               |
| • <i>by burial</i>                                                           | A               | 47               |
| Maximum permissible conductor temperature                                    |                 |                  |
| • <i>Continuous</i>                                                          | °C              | +70              |
| • <i>in emergency operation</i>                                              | °C              | +90              |
| • <i>at short circuit</i>                                                    | °C              | +160             |
| Operating temperature range                                                  | °C              | -50 ... +50      |
| Minimum bending radius by laying                                             | mm              | 97.5             |
| Rated outer diameter of the cable (for reference) **                         | mm              | 13               |
| Cable weight (approximate)                                                   | kg/km           | 250              |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 10: 1410 • 0.4 |

Notes:

When ordering it is necessary 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 ± 10 %



## **BBГз 3x4-1** **TY Y 31.3-00214534-048:2007**

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



### **CONSTRUCTION**

1. Copper conductor
2. PVC compound insulation
3. PVC compound outer sheath

*Note: Conductor twisting is not illustrated*