

## **BBГз 3x16+1x10-1** **ГОСТ 16442-80, ТУ У 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*

Manufacturing of cable with multiwire conductors (main and additional one) is possible

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 16 + 1 x 10                     |
| Phase insulation thickness                                               | mm              | 1                                   |
| Permissible continious current rating (AC of industrial frequency) *     |                 |                                     |
| • <i>by aerial laying</i>                                                | A               | 84                                  |
| • <i>by burial</i>                                                       | A               | 102                                 |
| 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              | 150                                 |
| Rated outer diameter of the cable (for reference) **                     | mm              | 20                                  |
| Cable weight (approximate)                                               | kg/km           | 800                                 |
| Rated factory cable length and gross weight of the delivery on the drums | m, t            | # 12: 820 • 0.8<br># 14: 1570 • 1.4 |

Notes:

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

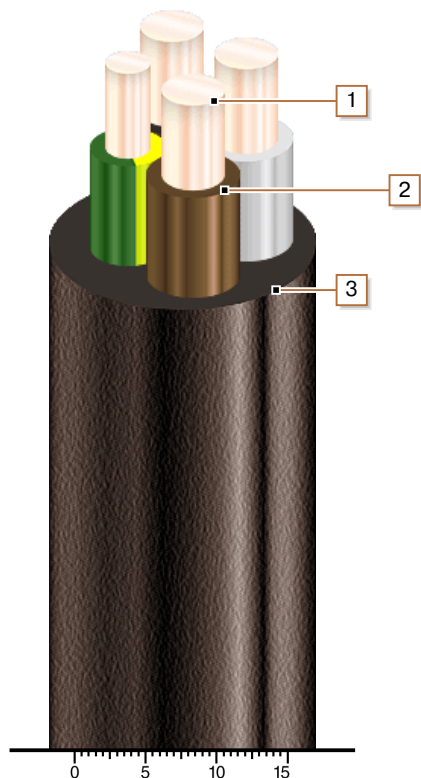
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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### CONSTRUCTION

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

*Note: conductor twisting is not illustrated*