

## ПВГГГ 1x6-1 ТУ У 31.3-00214534-018-2003

Power cables with copper conductors, XLPE-insulated, with low-flammable PVC-compound outer sheath

Cables are used for laying:

- *in bunches*
- *in premises, dry ducts and tunnels, in corrosive environment*

Fire safety code in accordance with ДСТУ 4809:2007: ПБ120000000

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                                  | mm <sup>2</sup> | 1 x 6       |
| Phase insulation thickness                                           | mm              | 0.7         |
| Permissible continious current rating (AC of industrial frequency) * |                 |             |
| • <i>by aerial laying</i>                                            | A               | 59          |
| • <i>by burial</i>                                                   | A               | 67          |
| Permissible continious current rating (DC) *                         |                 |             |
| • <i>by aerial laying</i>                                            | A               | 76          |
| • <i>by burial</i>                                                   | A               | 102         |
| Maximum permissible conductor temperature                            |                 |             |
| • <i>Continious</i>                                                  | °C              | +90         |
| • <i>in emergency operation</i>                                      | °C              | +130        |
| • <i>at short circuit</i>                                            | °C              | +250        |
| Operating temperature range                                          | °C              | -50 ... +50 |
| Minimum bending radius by laying                                     | mm              | 80          |
| Rated outer diameter of the cable (for reference) **                 | mm              | 8           |
| Cable weight (approximate)                                           | kg/km           | 90          |

Notes:

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

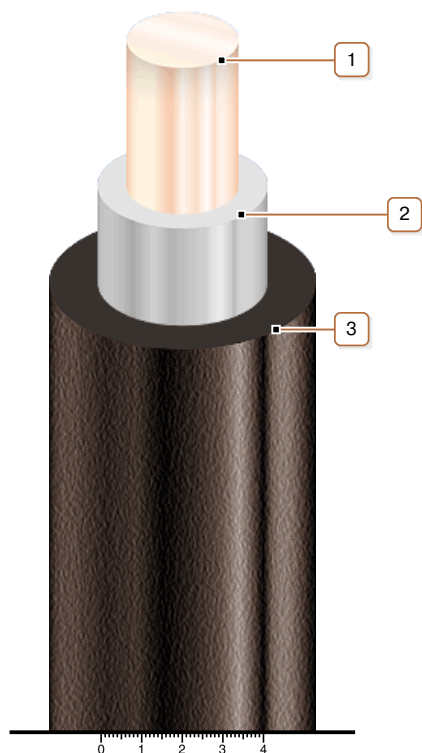
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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### CONSTRUCTION

1. Copper conductor
2. XLPE insulation
3. Low flammable PVC compound outer sheath