

## АПВГнг 1х70-1 ТУ У 31.3-00214534-018-2003

Power cables with aluminium 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 70           |
| Phase insulation thickness                                                   | mm              | 1.1              |
| Permissible continious current rating (AC of industrial frequency) *         |                 |                  |
| • <i>by aerial laying</i>                                                    | A               | 216              |
| • <i>by burial</i>                                                           | A               | 198              |
| Permissible continious current rating (DC) *                                 |                 |                  |
| • <i>by aerial laying</i>                                                    | A               | 276              |
| • <i>by burial</i>                                                           | A               | 309              |
| 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              | 160              |
| Rated outer diameter of the cable (for reference) **                         | mm              | 16               |
| Cable weight (approximate)                                                   | kg/km           | 320              |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 12: 1280 • 0.5 |

Notes:

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

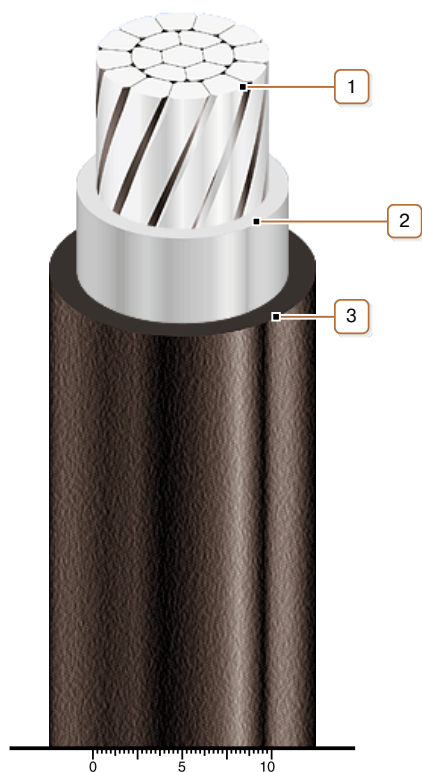
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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### CONSTRUCTION

1. Aluminium multiwire compacted conductor
2. XLPE insulation
3. Low flammable PVC compound outer sheath