



АБВГГГ 1x630-1 TY Y 31.3-00214534-018-2003

Power cables with aluminium conductors, with PVC-compound insulation, 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 ² | 1 x 630 |
| Phase insulation thickness | mm | 2.8 |
| Permissible continious current rating (AC of industrial frequency) * | | |
| • <i>by aerial laying</i> | A | 744 |
| • <i>by burial</i> | A | 633 |
| Permissible continious current rating (DC) * | | |
| • <i>by aerial laying</i> | A | 971 |
| • <i>by burial</i> | A | 1007 |
| Maximum permissible conductor temperature | | |
| • <i>Continious</i> | °C | +70 |
| • <i>in emergency operation</i> | °C | +90 |
| • <i>at short circuit</i> | °C | +140 |
| Operating temperature range | °C | -50 ... +50 |
| Minimum bending radius by laying | mm | 410 |
| Rated outer diameter of the cable (for reference) ** | mm | 41 |
| Cable weight (approximate) | kg/km | 2500 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 18: 660 • 2.1 # 20: 1050 • 3.3 |

Notes:

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

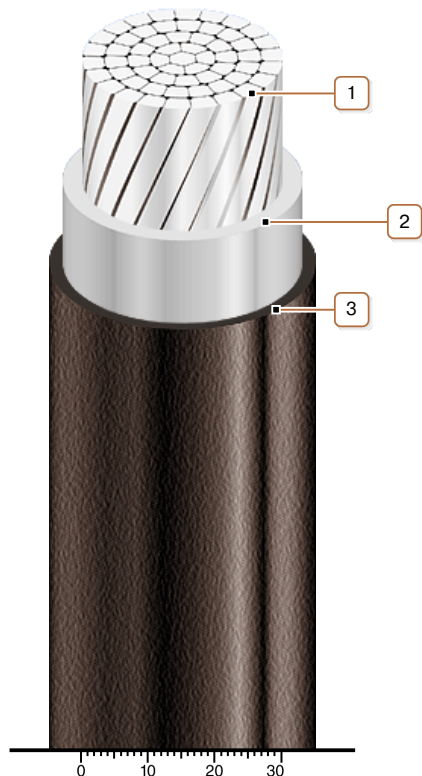
* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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CONSTRUCTION

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