



## АПВБВнг 3х35 (ож)-1 ТУ У 31.3-00214534-018-2003

Power cables with aluminium conductors, XLPE-insulated, galvanized steel-tape armoured, with low-flammable PVC-compound outer sheath

Cables are used for laying:

- *in bunches*
- *in premises, dry ducts and tunnels, in corrosive environment*
- *in places, where small mechanical impacts on cable are possible, including tensile forces*

Manufacturing of cable with multiwire conductors is possible

Manufacturing of cable with tape belt insulation is possible

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> | 3 x 35          |
| Phase insulation thickness                                               | mm              | 0.9             |
| Permissible continuous current rating (AC of industrial frequency) *     |                 |                 |
| • <i>by aerial laying</i>                                                | A               | 134             |
| • <i>by burial</i>                                                       | A               | 135             |
| Maximum permissible conductor temperature                                |                 |                 |
| • <i>Continuous</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              | 202.5           |
| Rated outer diameter of the cable (for reference) **                     | mm              | 27              |
| Cable weight (approximate)                                               | kg/km           | 830             |
| Rated factory cable length and gross weight of the delivery on the drums | m, t            | # 14: 800 • 0.9 |

Notes:

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

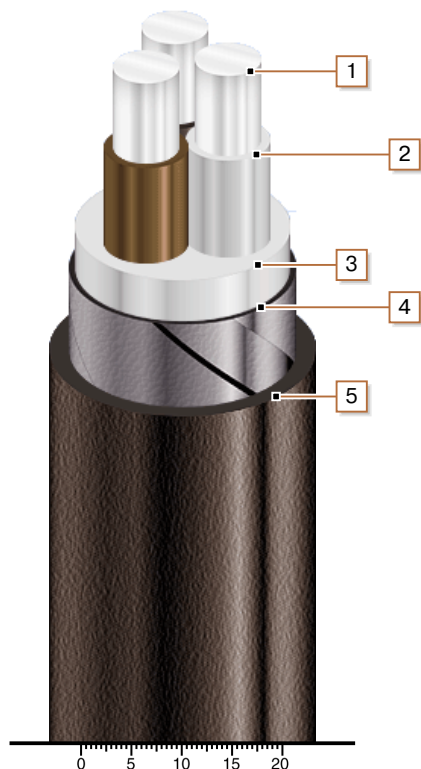
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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### CONSTRUCTION

1. Aluminium conductor
2. XLPE insulation
3. PVC compound belt insulation
4. Double galvanized steel-tape armour
5. Low flammable PVC compound outer sheath

*Note: conductor twisting is not illustrated*