



## АПВЗКП 5x35 (ож)-1 ТУ У 31.3-00214534-016-2003

Power cables with aluminium conductors, XLPE-insulated, with filling of intermediate spaces between the conductors, round-steel-wire armoured, with polyethylene outer sheath

Cables are used for laying:

- in premises, tunnels, collectors, in soil (trenches), in corrosive environment
- in places, where intense tensile forces are possible (in cable lifting, in bulk, heaving, boggy, everfrost soils)
- in water at depth up to 10 m

Manufacturing of cables with a different number and different design of conductors is possible  
 Manufacturing of single-phase cables with aluminium-wire armour 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> | 5 x 35  |
| Phase insulation thickness   | mm              | 0.9   |
| Armor wire diameter  | mm              | 1.8   |
| Permissible continuous current rating (AC of industrial frequency) *     |                 |   |
| • by aerial laying   | A               | 124   |
| • by burial  | A               | 125   |
| Maximum permissible conductor temperature                                |                 |   |
| • Continuous   | °C              | +90   |
| • at short circuit   | °C              | +250  |
| Operating temperature range  | °C              | -60 ... +50   |
| Minimum bending radius by laying   | mm              | 272   |
| Rated outer diameter of the cable (for reference) **                     | mm              | 34  |
| Cable weight (approximate)   | kg/km           | 3310  |
| Rated factory cable length and gross weight of the delivery on the drums | m, t            | # 14: 540 • 2.0<br># 16a: 870 • 3.1<br># 18: 1000 • 3.8 |

Notes:

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

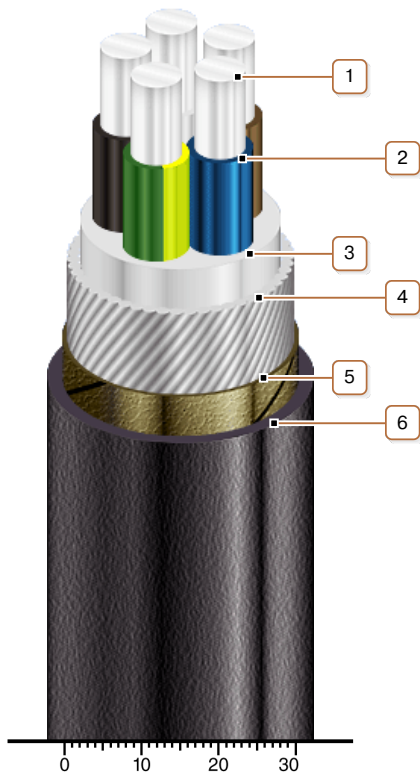
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

\*\* 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. Round galvanized steel-wire armour  
*Note: Manufacturing of single-phase cables with aluminium-wire armour is possible*
5. Lapping layer of nonwoven cloth tape
6. Polyethylene outer sheath

*Note: Conductor twisting is not illustrated*