



## АПВЗКП 3x185-1 TY Y 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> | 3 x 185                            |
| Phase insulation thickness   | mm              | 1.6                                |
| Armor wire diameter  | mm              | 2.8                                |
| Permissible continuous current rating (AC of industrial frequency) *     |                 |                                    |
| • by aerial laying   | A               | 382                                |
| • by burial  | A               | 341                                |
| Maximum permissible conductor temperature                                |                 |                                    |
| • Continuous   | °C              | +90                                |
| • at short circuit   | °C              | +250                               |
| Operating temperature range  | °C              | -60 ... +50                        |
| Minimum bending radius by laying   | mm              | 432                                |
| Rated outer diameter of the cable (for reference) **                     | mm              | 54                                 |
| Cable weight (approximate)   | kg/km           | 8930                               |
| Rated factory cable length and gross weight of the delivery on the drums | m, t            | # 18: 400 • 4.0<br># 20: 630 • 6.3 |

Notes:

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

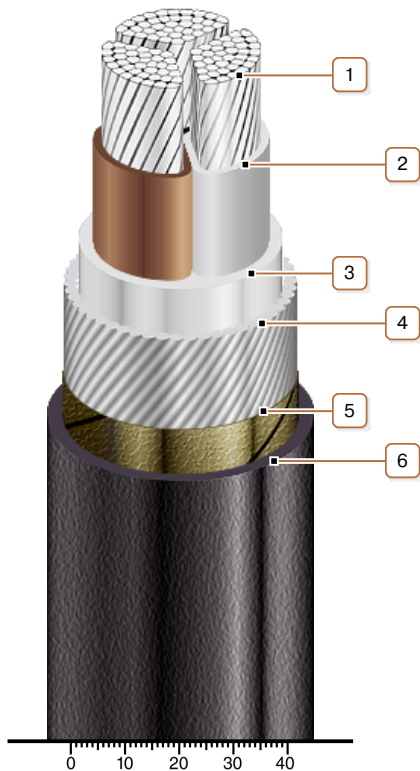
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



## АПВЗКП 3x185-1 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



### CONSTRUCTION

1. Aluminium multiwire compacted 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