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BKB 3x185-1 TY Y 31.3-00214534-016-2003



Power cables with copper conductors, with PVC-compound insulation, galvanized steel-wire armoured, with PVC-compound outer sheath

Cables are used for laying:

- single laying
- · in premises, dry ducts and tunnels, in corrosive environment
- in places, where intense tensile forces are possible (in cable lifting, in bulk, heaving, boggy, everfrost soils)

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: ПБ10000000

Products of this mark meet the requirements:

• single wire cable flame retardance

TECHNICAL SPECIFICATIONS

| Rated voltage | kV | 1 |
|--------------------------------------------------------------------|-------|-----------------|
| Number and rated area of conductors | mm² | 3 x 185 |
| Phase insulation thikness | mm | 2 |
| Armor wire diameter | mm | 2.8 |
| Permissible continious current rating (AC of industrial frequency) | * | |
| • by aerial laying | А | 397 |
| • by burial | А | 405 |
| Maximum permissible conductor temperature | | |
| Continious | °C | +70 |
| at short circuit | °C | +160 |
| Operating temperature range | °C | -50 +50 |
| Minimum bending radius by laying | mm | 448 |
| Rated outer diameter of the cable (for reference) ** | mm | 56 |
| Cable weight (approximate) | kg/km | 9300 |
| Rated factory cable length and gross weight of the delivery | m, t | # 18: 370 • 3.9 |
| on the drums *** | | # 20: 590 • 6.1 |
| 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 $^{\rm K}{\scriptstyle \bullet}$ m/W, laying depth in the soil 0.7 m

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



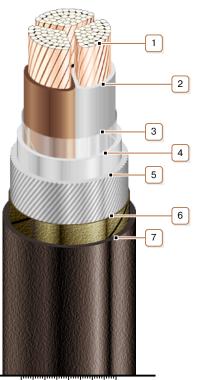


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ВКВ 3x185-1 ТУ У 31.3-00214534-016-2003

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CONSTRUCTION

- 1. Copper multiwire compact conductor
- 2. PVC compound insulation
- 3. PET film winding
- 4. PVC compound belt insulation

5. Round galvanized steel-wire armour

Note: Manufacturing of single-phase cables with aluminium-wire armour is possible

- 6. Lapping layer of nonwoven cloth tape
- 7. PVC compound outer sheath

Note: Conductor twisting is not illustrated

0 10 20 30 40