



АВБШВ 3x150 (ож)-1 ГОСТ 16442-80, ТУ У 31.3-00214534-048:2007

Power cables with aluminium conductors, with PVC-compound insulation, galvanized steel-tape armoured, with low-flammable PVC-compound protection hose

Cables are used for laying:

- *single laying*
- *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 non-galvanized armoured cable, covered with a layer of bitumen and PET film is possible

Manufacturing of cable with PVC compound belt insulation 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

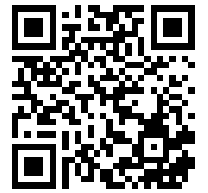
| | | |
|--|-----------------|---|
| Rated voltage | kV | 1 |
| Number and rated area of conductors | mm ² | 3 x 150 |
| Phase insulation thickness | mm | 1.8 |
| Permissible continuous current rating (AC of industrial frequency) * | | |
| • <i>by aerial laying</i> | A | 261 |
| • <i>by burial</i> | A | 274 |
| Maximum permissible conductor temperature | | |
| • <i>Continuous</i> | °C | +70 |
| • <i>in emergency operation</i> | °C | +90 |
| • <i>at short circuit</i> | °C | +160 |
| Operating temperature range | °C | -50 ... +50 |
| Minimum bending radius by laying | mm | 307.5 |
| Rated outer diameter of the cable (for reference) ** | mm | 41 |
| Cable weight (approximate) | kg/km | 2370 |
| Rated factory cable length and gross weight of the delivery on the drums | m, t | # 16a: 570 • 1.6 # 18: 660 • 2.0 # 20: 1050 • 3.1 |

Notes:

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

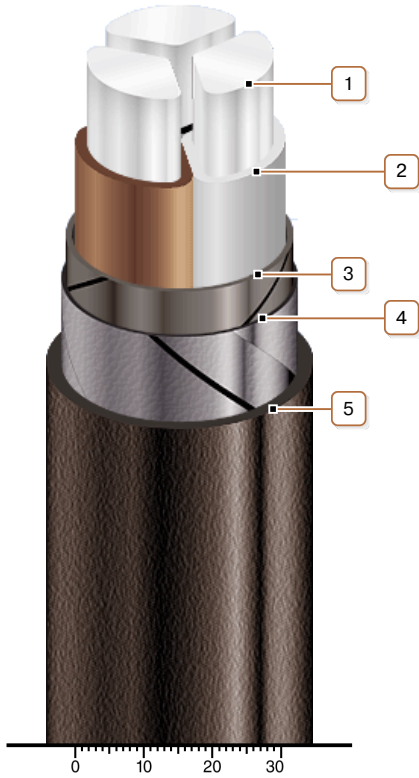
** Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m*

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



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CONSTRUCTION

1. Aluminium conductor
2. PVC compound insulation
3. Tape core wrapping
4. Double galvanized steel-tape armour
5. Pressed PVC compound protection hose

Note: Conductor twisting is not illustrated