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180123-130950110500

# АПвБбШв 3х95+1х50 (ож)-1
# ТУ У 31.3-00214534-048:2007

Power cables with aluminium conductors, XLPE-insulated, galvanized steel-tape armoured, with 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 (main and additional one) 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 95 + 1 x 50 |
| Phase insulation thikness | mm | 1.1 |
| Permissible continious current rating (AC of industrial frequency) * | | |
| • *by aerial laying* | A | 248 |
| • *by burial* | A | 233 |
| Maximum permissible conductor temperature | | |
| • *Continious* | ˚C | +90 |
| • *in emergency operation* | ˚C | +130 |
| • *at short circuit* | ˚C | +250 |
| Operating temperature range | ˚C | -50 ... +50 |
| Minimum bending radius by laying | mm | 285 |
| Rated outer diameter of the cable (for reference) ** | mm | 38 |
| Cable weight (approximate) | kg/km | 1840 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 16a: 700 • 1.5<br># 18: 800 • 1.9 |

*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 ˚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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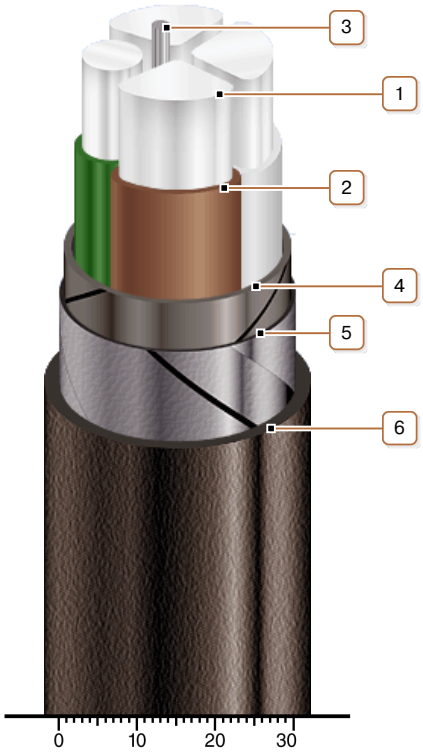


## CONSTRUCTION

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

*Note: Conductor twisting is not illustrated*

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