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180104-131200210700

# ВБбШнг 3х120+1х70-1
# ТУ У 31.3-00214534-018-2003

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

Cables are used for laying:
- *in bunches*
- *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 PVC compound belt insulation is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ120000000
Products of this mark meet the requirements:
- *single wire cable flame retardance*
- *bunched cable flame retardance category A*

## TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| Rated voltage | kV | 1 |
| Number and rated area of conductors | $mm^2$ | 3 x 120 + 1 x 70 |
| Phase insulation thikness | mm | 1.6 |
| Permissible continious current rating (AC of industrial frequency) * | | |
| • *by aerial laying* | A | 302 |
| • *by burial* | A | 317 |
| Maximum permissible conductor temperature | | |
| • *Continious* | °C | +70 |
| • *in emergency operation* | °C | +90 |
| • *at short circuit* | °C | +160 |
| Operating temperature range | °C | -50 ... +50 |
| Minimum bending radius by laying | mm | 322.5 |
| Rated outer diameter of the cable (for reference) ** | mm | 43 |
| Cable weight (approximate) | kg/km | 5100 |
| Rated factory cable length and gross weight of the delivery on the drums | m, t | # 16a: 520 • 2.9<br># 18: 600 • 3.5<br># 20: 960 • 5.5 |

*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 %*

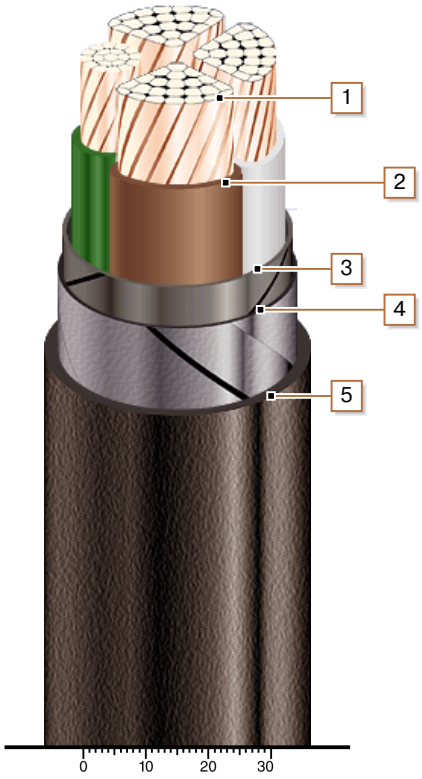
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## CONSTRUCTION

1. *Copper multiwire compact conductor*
2. *PVC compound insulation*
3. *Tape core wrapping*
4. *Double galvanized steel-tape armour*
5. *Pressed off low-flammable PVC compound protection hose*

*Note: conductor twisting is not illustrated*

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