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180132-140060100000

# ПвВГ 4х6-1
# ТУ У 31.3-00214534-048:2007

Power cables with copper conductors, XLPE-insulated, with PVC-compound outer sheath

Cables are used for laying:
- *single laying*
- *in premises, dry ducts and tunnels, in corrosive environment*

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 | $mm^2$ | 4 x 6 |
| Phase insulation thikness | mm | 0.7 |
| Permissible continious current rating (AC of industrial frequency) * | | |
| • *by aerial laying* | A | 52 |
| • *by burial* | A | 59 |
| 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 | 105 |
| Rated outer diameter of the cable (for reference) ** | mm | 14 |
| Cable weight (approximate) | kg/km | 310 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 10: 1210 • 0.5<br># 12: 1670 • 0.6 |

*Notes:*

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

** Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors 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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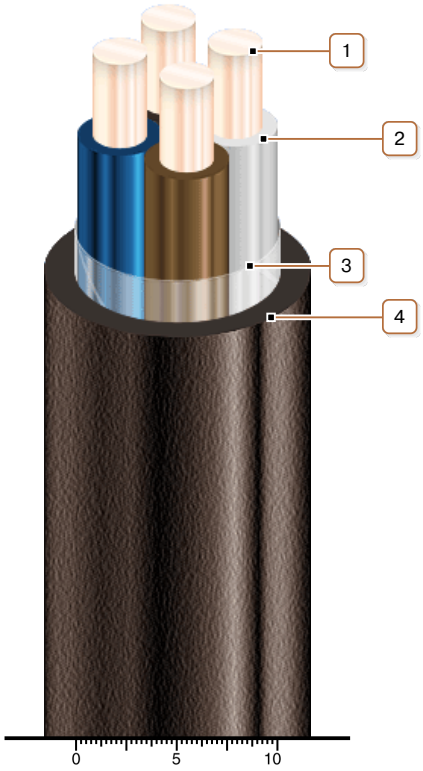
# ТУ У 31.3-00214534-048:2007

Power cables with copper conductors, XLPE-insulated, with PVC-compound outer sheath




## CONSTRUCTION

*1. Copper conductor*
*2. XLPE insulation*
*3. PET film winding*
*4. PVC compound outer sheath*

*Note: Conductor twisting is not illustrated*

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