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ПвБВнгд 4х2.5-1 ТУ У 31.3-00214534-018-2003



Power cables with copper conductors, XLPE-insulated, galvanized steel-tape armoured, with low fire-risk PVC-compound outer sheath

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
- in bunches, in crowded places

Fire safety code in accordance with ДСТУ 4809:2007: ПБ123121000

Products of this mark meet the requirements:

- single wire cable flame retardance
- · bunched cable flame retardance category A

• toxicity class Tk3 of the combustion products of nonmetallic elements (toxicity index over 120 g/m³)

• class $\[mu]T\kappa 1$ on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m²/kg)

• class ДПк2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)

• corrosive class K κ 1 of combustion products of non-metallic elements (the number of halogen hydrides less than 150 mg/g, pH less than 4.3, specific conductivity more than 10 μ S/mm)

TECHNICAL SPECIFICATIONS

| Rated voltage | kV | 1 |
|--|-------|------------------|
| Number and rated area of conductors | mm² | 4 x 2.5 |
| Phase insulation thikness | mm | 0.7 |
| Permissible continious current rating (AC of industrial frequency) | * | |
| • by aerial laying | А | 31 |
| • by burial | А | 37 |
| 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 | 135 |
| Rated outer diameter of the cable (for reference) ** | mm | 18 |
| Cable weight (approximate) | kg/km | 450 |
| Rated factory cable length and gross weight of the delivery | m, t | # 12: 1010 · 0.6 |
| on the drums *** | | |
| | | |

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 \pm 10 %



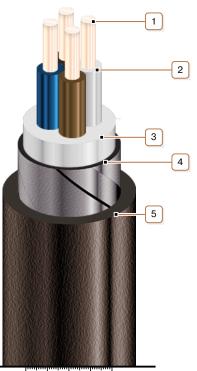


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CONSTRUCTION

- 1. Copper conductor
- 2. XLPE insulation
- 3. Low fire-risk PVC-compound inner sheath
- 4. Double galvanized steel-tape armour
- 5. Low fire-risk PVC compound outer sheath

Note: Conductor twisting is not illustrated

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