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ВВГнг 5х2.5-1 ТУ У 31.3-00214534-018-2003

Power cables with copper conductors, with PVC-compound insulation, with low-flammable PVC-compound outer sheath

Cables are used for laying:

- · in bunches
- · 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: 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 | mm² | 5 x 2.5 |
| Phase insulation thikness | mm | 0.8 |
| Permissible continious current rating (AC of industrial frequency | y) * | |
| by aerial laying | Α | 25 |
| • by burial | Α | 33 |
| 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 | 105 |
| Rated outer diameter of the cable (for reference) ** | mm | 14 |
| Cable weight (approximate) | kg/km | 240 |
| Rated factory cable length and gross weight of the delivery | m, t | # 10: 1210 • 0.4 |
| on the drums *** | | # 12: 1670 • 0.5 |

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 \pm 10 %



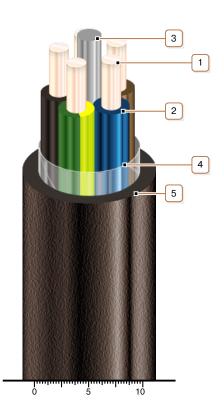




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CONSTRUCTION

- 1. Copper conductor
- 2. PVC compound insulation
- 3. PVC compound bundle
- 4. PET film winding
- 5. Low flammable PVC compound outer sheath

Note: Conductor twisting is not illustrated