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ВВГнг-К 3x120/95-1 ТУ У 31.3-00214534-048:2007

Power cables with copper conductors, with PVC compound insulation, with concentric conductor, with low-flammable PVC-compound protection hose

Cables are used for laying:

- · in bunches
- in premises, dry ducts and tunnels, in corrosive environment
- · in locations, where a high level of electrical protection is required

It is possible to manufacture armoured cable

Fire safety code in accordance with ДСТУ 4809:2007: ΠБ120000000

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 | 3 x 120 |
| Nominal cross-section area of concentric conductor | mm² | 95 |
| Phase insulation thikness | mm | 1.6 |
| Permissible continious current rating (AC of industrial frequency) | * | |
| • by aerial laying | Α | 302 |
| • by burial | Α | 317 |
| Maximum permissible conductor temperature | | |
| Continious | °C | +70 |
| • at short circuit | °C | +160 |
| Operating temperature range | °C | -50 +50 |
| Minimum bending radius by laying | mm | 337.5 |
| Rated outer diameter of the cable (for reference) ** | mm | 45 |
| Cable weight (approximate) | kg/km | 5350 |
| Rated factory cable length and gross weight of the delivery | m, t | # 16a: 480 · 2.8 |
| on the drums *** | | # 18: 550 • 3.4 |
| | | # 20: 870 • 5.3 |
| | | |

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 %



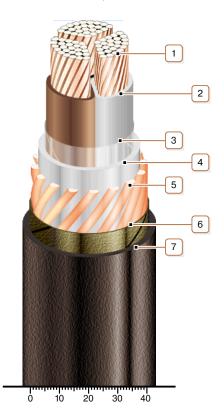




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CONSTRUCTION

- 1. Copper multiwire compact conductor
- 2. PVC compound insulation
- 3. PET film winding
- 4. PVC compound belt insulation
- 5. Concentric copper conductor
- 6. Lapping layer of nonwoven cloth tape
- 7. Low flammable PVC compound outer sheath

Note: Conductor twisting is not illustrated