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## АВВГнг 5х25 (ож)-1 ТУ У 31.3-00214534-018-2003

Power cables with aluminium 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: 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   | 5 x 25          |
| Phase insulation thikness   | mm    | 1.2             |
| Permissible continious current rating (AC of industrial frequency | ') *  |                 |
| • by aerial laying  | Α     | 80              |
| • by burial   | Α     | 94              |
| 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    | 202.5           |
| Rated outer diameter of the cable (for reference) **              | mm    | 27              |
| Cable weight (approximate)  | kg/km | 750             |
| Rated factory cable length and gross weight of the delivery       | m, t  | # 14: 800 • 0.8 |
| on the drums ***  |       |                 |

#### Notes

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

<sup>\*</sup> 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

<sup>\*\*</sup> The external diameter may differ from the rated up to  $\pm$  10 %



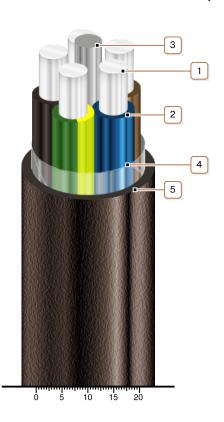




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### **CONSTRUCTION**

- 1. Aluminium 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