



ACГ 3x70-1 TY Y 27.3-00214534-091:2017

Power cables with aluminium conductors, with impregnated paper insulation, lead-sheathed

Cables are used for laying:

- *in blocks*
- *with no risk of mechanical damage in operation*

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 | 3 x 70 |
| Insulation thickness between conductors | mm | 1.5 |
| Insulation thickness of conductor-sheath | mm | 1.25 |
| Sheath thickness | mm | 1.66 |
| Permissible continuous current rating * | | |
| • <i>by aerial laying</i> | A | 180 |
| • <i>by burial</i> | A | 184 |
| Operating temperature range | °C | -50 ... +50 |
| Minimum bending radius by laying | mm | 420 |
| Level difference along the laying rout, not more than | m | 20 |
| Metal sheath outer diameter (for reference only) | mm | 26 |
| Rated outer diameter of the cable (for reference) ** | mm | 28 |
| Cable weight (approximate) | kg/km | 2130 |
| Rated factory cable length and gross weight of the delivery on the drums | m, t | # 16: 490 • 1.3 |

Notes:

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

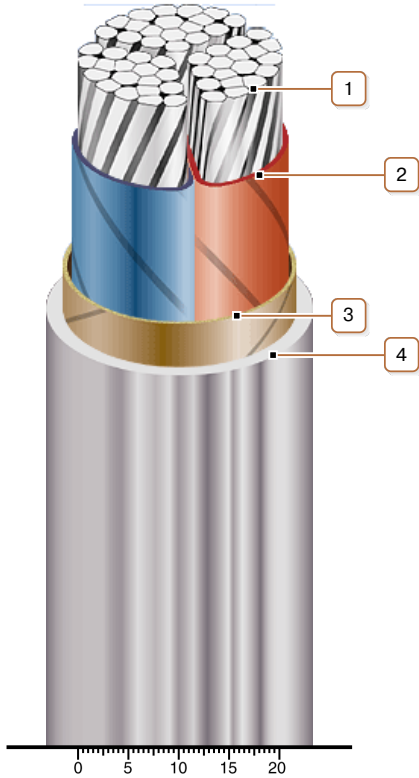
* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

** The external diameter may differ from the rated up to ± 10 %



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CONSTRUCTION

1. Aluminium multiwire compacted conductor
2. Impregnated paper insulation
3. Belt insulation
4. Lead sheath

Note: Conductor twisting is not illustrated