



## **СГ 3x120+1x70-1** **ТУ У 27.3-00214534-091:2017**

Power cables with copper 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 <sup>2</sup> | 3 x 120 + 1 x 70 |
| Insulation thickness between conductors                                      | mm              | 1.7              |
| Insulation thickness of conductor-sheath                                     | mm              | 1.45             |
| Sheath thickness   | mm              | 1.96             |
| Permissible continuous current rating *                                      |                 |                  |
| • <i>by aerial laying</i>  | A               | 348              |
| • <i>by burial</i>   | A               | 325              |
| Operating temperature range  | °C              | -50 ... +50      |
| Minimum bending radius by laying   | mm              | 570              |
| Level difference along the laying rout, not more than                        | m               | 20               |
| Metal sheath outer diameter (for reference only)                             | mm              | 36               |
| Rated outer diameter of the cable (for reference) **                         | mm              | 38               |
| Cable weight (approximate)   | kg/km           | 6620             |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16a: 700 • 4.9 |

Notes:

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

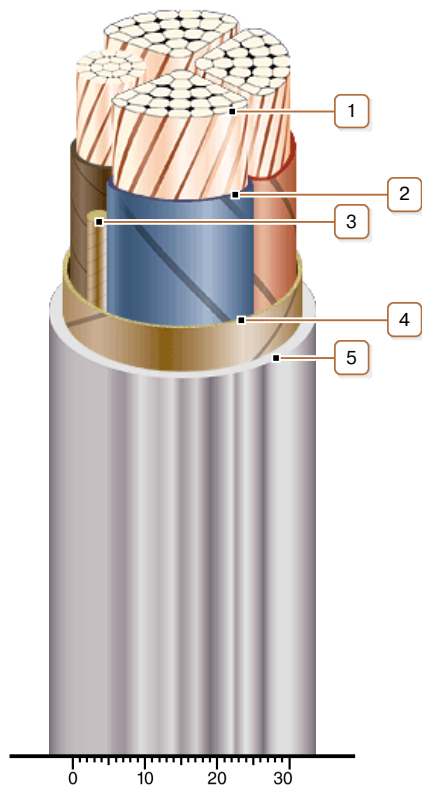
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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### CONSTRUCTION

1. *Copper multiwire compact conductor*
2. *Impregnated paper insulation*
3. *Cable paper bundle*
4. *Belt insulation*
5. *Lead sheath*

*Note: Conductor twisting is not illustrated*