



## СГ 3x35(ож)-10 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              | 10              |
| Number and rated area of conductors                                      | mm <sup>2</sup> | 3 x 35          |
| Insulation thickness between conductors                                  | mm              | 5.5             |
| Insulation thickness of conductor-sheath                                 | mm              | 4               |
| Sheath thickness                                                         | mm              | 1.73            |
| Permissible continuous current rating *                                  |                 |                 |
| • <i>by aerial laying</i>                                                | A               | 142             |
| • <i>by burial</i>                                                       | A               | 144             |
| Operating temperature range                                              | °C              | -50 ... +50     |
| Minimum bending radius by laying                                         | mm              | 450             |
| Level difference along the laying rout, not more than                    | m               | 15              |
| Metal sheath outer diameter (for reference only)                         | mm              | 28              |
| Rated outer diameter of the cable (for reference) **                     | mm              | 30              |
| Cable weight (approximate)                                               | kg/km           | 3130            |
| Rated factory cable length and gross weight of the delivery on the drums | m, t            | # 16: 420 • 1.6 |

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 conductor
2. Impregnated paper insulation
3. Cable paper bundle
4. Belt insulation
5. Conducting paper screen
6. Lead sheath

*Note: Conductor twisting is not illustrated*

