



## СИП-5нг 4x50+2x25 ТУ У 31.3-00214534-014-2002

Self-supporting flame-retardant wires with polymer compound insulation

Used for laying:

- *aerial electric power lines for the rated voltage of 0.6/1 kV*
- *branches to the inputs into dwellings and outbuildings*

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              | 0.6 / 1  |
| Number and rated area of phase conductors                                    | mm <sup>2</sup> | 4 x 50   |
| Number and rated area of additional conductors for light circuits            | mm <sup>2</sup> | 2 x 25   |
| Phase insulation thickness   | mm              | 1.5  |
| Current ratings *  |                 |  |
| • <i>Continuous</i>  | A               | 195  |
| • <i>at short circuit (not more than 1 s)</i>                                | kA              | 4.6  |
| Maximum permissible conductor temperature                                    |                 |  |
| • <i>Continuous</i>  | °C              | +90  |
| • <i>at short circuit (not more than 5 s)</i>                                | °C              | +250   |
| Operating temperature range  | °C              | -60 ... +50  |
| Permissible temperature of laying (installation), no less than               | °C              | -20  |
| Minimum bending radius by laying   | mm              | 330  |
| Rated outer diameter of the cable (for reference) **                         | mm              | 33   |
| Weight (approximate)   | kg/km           | 880  |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16a: 870 • 1.0<br># 18: 1000 • 1.3<br># 20: 1600 • 2.0 |

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: ambient temperature plus 25 °C, wind speed 0.6 m/s, the intensity of solar radiation 1000 W/m<sup>2</sup>

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



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### CONSTRUCTION

1. Aluminium multiwire compacted conductor
2. Multiwire compacted aluminium assisting conductor for light circuits
3. Flame-retardant polymer compound insulation

Note: Wire lay-up is not illustrated.

