



## СИП-5нг 4x16 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 16  |
| Phase insulation thickness   | mm              | 1.4   |
| Current ratings *  |                 |   |
| • <i>Continuous</i>  | A               | 100   |
| • <i>at short circuit (not more than 1 s)</i>                            | kA              | 1.5   |
| 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              | 181   |
| Rated outer diameter of the cable (for reference) **                     | mm              | 18.1  |
| Weight (approximate)   | kg/km           | 280   |
| Rated factory cable length and gross weight of the delivery on the drums | m, t            | # 16a: 3120 • 1.1<br># 18: 3570 • 1.5<br># 20: 5710 • 2.2 |

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. Flame-retardant polymer compound insulation

Note: Wire lay-up is not illustrated.

