



## СИП-5нг 4x35+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 35                                                    |
| Number and rated area of additional conductors for light circuits        | mm <sup>2</sup> | 2 x 25                                                    |
| Phase insulation thickness                                               | mm              | 1.4                                                       |
| Current ratings *                                                        |                 |                                                           |
| • <i>Continuous</i>                                                      | A               | 160                                                       |
| • <i>at short circuit (not more than 1 s)</i>                            | kA              | 3.2                                                       |
| 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              | 291                                                       |
| Rated outer diameter of the cable (for reference) **                     | mm              | 29.1                                                      |
| Weight (approximate)                                                     | kg/km           | 720                                                       |
| Rated factory cable length and gross weight of the delivery on the drums | m, t            | # 16a: 1120 • 1.1<br># 18: 1290 • 1.4<br># 20: 2060 • 2.1 |

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

