

## СИП-5 2x16 ТУ У 31.3-00214534-014-2002

Self-supporting wires with light-stabilized cross-linked polyethylene 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*

### TECHNICAL SPECIFICATIONS:

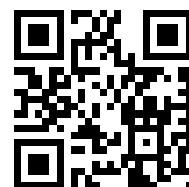
|                                                                          |                 |                                       |
|--------------------------------------------------------------------------|-----------------|---------------------------------------|
| Rated voltage                                                            | kV              | 0.6 / 1                               |
| Number and rated area of phase conductors                                | mm <sup>2</sup> | 2 x 16                                |
| Phase insulation thickness                                               | mm              | 1.3                                   |
| 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              | 146                                   |
| Rated outer diameter of the cable (for reference) **                     | mm              | 14.6                                  |
| Weight (approximate)                                                     | kg/km           | 140                                   |
| Rated factory cable length and gross weight of the delivery on the drums | m, t            | # 16a: 5160 • 1.0<br># 18: 5900 • 1.3 |

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. Light-stabilized cross-linked polyethylene insulation

*Note: wire lay-up is not illustrated*

