



## СИП-4 4x120+2x25 ТУ У 31.3-00214534-014-2002

Self-supporting wires with light-stabilized thermoplastic 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

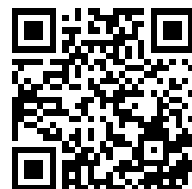
|  |                 |                                    |
|--|-----------------|------------------------------------|
| Rated voltage  | kV              | 0.6 / 1                            |
| Number and rated area of phase conductors                                | mm <sup>2</sup> | 4 x 120                            |
| Number and rated area of additional conductors for light circuits        | mm <sup>2</sup> | 2 x 25                             |
| Phase insulation thickness   | mm              | 2                                  |
| Current ratings *  |                 |                                    |
| • <i>Continuous</i>  | A               | 250                                |
| • <i>at short circuit (not more than 1 s)</i>                            | kA              | 5.9                                |
| Maximum permissible conductor temperature                                |                 |                                    |
| • <i>Continuous</i>  | °C              | +70                                |
| • <i>at short circuit (not more than 5 s)</i>                            | °C              | +135                               |
| Operating temperature range  | °C              | -60 ... +50                        |
| Permissible temperature of laying (installation), no less than           | °C              | -20                                |
| Minimum bending radius by laying   | mm              | 454                                |
| Rated outer diameter of the cable (for reference) **                     | mm              | 45.4                               |
| Weight (approximate)   | kg/km           | 1830                               |
| Rated factory cable length and gross weight of the delivery on the drums | m, t            | # 18: 550 • 1.5<br># 20: 870 • 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. Multiwire compacted aluminium assisting conductor for light circuits
3. Light-stabilized thermoplastic polyethylene insulation

Note: Wire lay-up is not illustrated.

