



СИП-4 4x50+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 ² | 4 x 50 |
| Number and rated area of additional conductors for light circuits | mm ² | 2 x 25 |
| Phase insulation thickness | mm | 1.6 |
| Current ratings * | | |
| • <i>Continuous</i> | A | 140 |
| • <i>at short circuit (not more than 1 s)</i> | kA | 3.2 |
| 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 | 302 |
| Rated outer diameter of the cable (for reference) ** | mm | 30.2 |
| Weight (approximate) | kg/km | 900 |
| Rated factory cable length and gross weight of the delivery on the drums | m, t | # 16a: 1120 • 1.3 # 18: 1290 • 1.6 # 20: 2060 • 2.5 |

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/m²

** 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.

