



СИП-5 4x120+2x35 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 ² | 4 x 120 |
| Number and rated area of additional conductors for light circuits | mm ² | 2 x 35 |
| Phase insulation thickness | mm | 1.7 |
| Current ratings * | | |
| • <i>Continuous</i> | A | 340 |
| • <i>at short circuit (not more than 1 s)</i> | kA | 10.9 |
| 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 | 486 |
| Rated outer diameter of the cable (for reference) ** | mm | 48.6 |
| Weight (approximate) | kg/km | 1820 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 18: 500 • 1.4 # 20: 800 • 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/m²*

*** The external diameter may differ from the rated up to ± 10 %*



СИП-5 4x120+2x35 ТУ У 31.3-00214534-014-2002

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

CONSTRUCTION

1. Aluminium multiwire compacted conductor
2. Multiwire compacted aluminium assisting conductor for light circuits
3. Light-stabilized cross-linked polyethylene insulation

Note: Wire lay-up is not illustrated.

