



СИП-5 1x35
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 | 1 x 35 |
| Phase insulation thickness | mm | 1.3 |
| Current ratings * | | |
| • Continuous | A | 160 |
| • at short circuit (not more than 1 s) | kA | 3.2 |
| Maximum permissible conductor temperature | | |
| • Continuous | °C | +90 |
| • at short circuit (not more than 5 s) | °C | +250 |
| Operating temperature range | °C | -60 ... +50 |
| Permissible temperature of laying (installation), no less than | °C | -20 |
| Minimum bending radius by laying | mm | 95 |
| Rated outer diameter of the cable (for reference) ** | mm | 9.5 |
| Weight (approximate) | kg/km | 130 |

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 %

CONSTRUCTION

1. Aluminium multiwire compacted conductor
2. Light-stabilized cross-linked polyethylene insulation

