



## 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 <sup>2</sup> | 1 x 35      |
| Phase insulation thickness                                     | mm              | 1.3         |
| Current ratings *                                              |                 |             |
| • <i>Continuous</i>                                            | A               | 160         |
| • <i>at short circuit (not more than 1 s)</i>                  | kA              | 3.2         |
| 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              | 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/m<sup>2</sup>

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

### CONSTRUCTION

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

