



## СИП-4 4x50+1x35 TY Y 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 50                                                    |
| Number and rated area of additional conductors for light circuits            | mm <sup>2</sup> | 1 x 35                                                    |
| 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           | 830                                                       |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16a: 1120 • 1.2<br># 18: 1290 • 1.5<br># 20: 2060 • 2.3 |

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.*

