



## СИП-4 1x50 ДСТУ 4743:2007, ТУ У 27.3-00214534-066:2013

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 from aerial electric power lines for the rated voltage of 0.6/1 kV to the input and for the laying on the walls of buildings and engineering structures*
- *in air, types II and III according to ГОСТ 15150-69*

It is possible to manufacture the wire with longitudinal core sealing by water-blocking materials

### TECHNICAL SPECIFICATIONS

|  |                 |                   |
|--|-----------------|-------------------|
| Rated voltage  | kV              | 0.6 / 1           |
| Number and rated area of phase conductors                                    | mm <sup>2</sup> | 1 x 50            |
| Phase insulation thickness   | mm              | 1.5               |
| Current ratings *  |                 |                   |
| • <i>Continuous</i>  | A               | 195               |
| • <i>at short circuit (not more than 1 s)</i>                                | kA              | 4.6               |
| 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              | 110               |
| Rated outer diameter of the cable (for reference) **                         | mm              | 11                |
| Weight (approximate)   | kg/km           | 170               |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16a: 8360 • 1.7 |

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

*Note: It is possible to manufacture the wire with longitudinal core sealing by water-blocking materials*

#### 2. Light-stabilized cross-linked polyethylene insulation