



## СИП-4 1x35 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

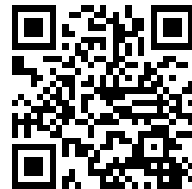
|  |                 |             |
|--|-----------------|-------------|
| Rated voltage  | kV              | 0.6 / 1     |
| Number and rated area of phase conductors                      | mm <sup>2</sup> | 1 x 35      |
| Phase insulation thickness                                     | mm              | 1.4         |
| 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              | +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              | 97          |
| Rated outer diameter of the cable (for reference) **           | mm              | 9.7         |
| 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 %*



## СИП-4 1x35 ДСТУ 4743:2007, ТУ У 27.3-00214534-066:2013

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

### 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

