
**СІП-4 4x25**  
**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> | 4 x 25  |
| Phase insulation thickness  | mm              | 1.4   |
| Current ratings *   |                 |   |
| • <i>Continious</i>   | A               | 130   |
| • <i>at short circuit (not more than 1 s)</i>                                   | kA              | 2.3   |
| Maximum permissible conductor temperature                                       |                 |   |
| • <i>Continious</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              | 209   |
| Rated outer diameter of the cable (for reference) **                            | mm              | 20.9  |
| Weight (approximate)  | kg/km           | 400   |
| Rated factory cable length and gross weight of the delivery<br>on the drums *** | m, t            | # 16a: 2530 • 1.3<br># 18: 2890 • 1.6<br># 20: 4630 • 2.5 |

Notes:

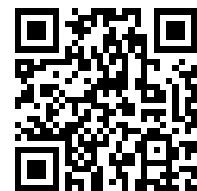
When ordering it is necessary to agree the factory length of the product with the manufacturer

 \* 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***Note: Wire lay-up is not illustrated.*