

## СІПн-4 2x35

### ДСТУ 4743:2007, ТУ У 27.3-00214534-079:2014

#### Self-supporting flame-retardant wires with polymer compound 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

Fire safety code in accordance with ДСТУ 4809:2007: ПБ100000000

Products of this mark meet the requirements:

- single wire cable flame retardance

#### TECHNICAL SPECIFICATIONS

|  |                 |   |
|--|-----------------|---|
| Rated voltage  | kV              | 0.6 / 1   |
| Number and rated area of phase conductors                                    | mm <sup>2</sup> | 2 x 35  |
| Phase insulation thickness   | mm              | 1.4   |
| Current ratings *  |                 |   |
| • Continous  | A               | 160   |
| • at short circuit (not more than 1 s)                                       | kA              | 3.2   |
| Maximum permissible conductor temperature                                    |                 |   |
| • Continous  | °C              | +90   |
| • at short circuit (not more than 5 s)                                       | °C              | +250  |
| Operating temperature range  | °C              | -60 ... +50   |
| Permissible temperature of laying (installation), no less than               | °C              | -20   |
| Minimum bending radius by laying   | mm              | 194   |
| Rated outer diameter of the cable (for reference) **                         | mm              | 19.4  |
| Weight (approximate)   | kg/km           | 260   |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16a: 2800 • 1.0<br># 18: 3200 • 1.3<br># 20: 5130 • 2.0 |

Notes:

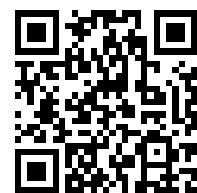
When ordering it is necessary to agree the factory length of the product with the manufacturer

\* 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>

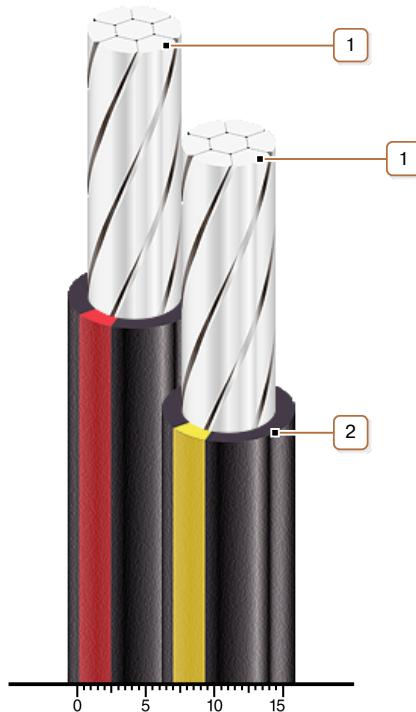
\*\* The external diameter may differ from the rated up to ± 10 %



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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. Flame-retardant polymer compound insulation**

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