



СИПН-4 4x50+1x25 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: ПБ1000000000

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 ² | 4 x 50 |
| Number and rated area of additional conductors for light circuits | mm ² | 1 x 25 |
| 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 | +90 |
| • <i>at short circuit (not more than 5 s)</i> | °C | +250 |
| Operating temperature range | °C | -60 ... +50 |
| Permissible temperature of laying (installation), no less than | °C | -20 |
| Minimum bending radius by laying | mm | 297 |
| Rated outer diameter of the cable (for reference) ** | mm | 29.7 |
| Weight (approximate) | kg/km | 780 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 16a: 1120 • 1.1 # 18: 1290 • 1.5 # 20: 2060 • 2.2 |

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/m²*

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



СИПН-4 4x50+1x25 ДСТУ 4743:2007, ТУ У 27.3-00214534-079:2014

Self-supporting flame-retardant wires with polymer compound insulation

CONSTRUCTION

1. Aluminium multiwire compacted conductor

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

2. Multiwire compacted aluminium assisting conductor for light circuits

3. Flame-retardant polymer compound insulation

Note: Wire lay-up is not illustrated.

