



СИП-4 4x35+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 ГOCT 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 ²	4 x 35
Number and rated area of additional conductors for light circuits	mm ²	1 x 35
Phase insulation thickness	mm	1.4
Current ratings *		
• Continuous	A	160
• at short circuit (not more than 1 s)	kA	3.2
Maximum permissible conductor temperature		
• Continuous	°C	+70
• at short circuit (not more than 5 s)	°C	+135
Operating temperature range	°C	-60 ... +50
Permissible temperature of laying (installation), no less than	°C	-20
Minimum bending radius by laying	mm	262
Rated outer diameter of the cable (for reference) **	mm	26.2
Weight (approximate)	kg/km	650
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 1500 • 1.2 # 18: 1710 • 1.6 # 20: 2740 • 2.4

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 %



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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. Multiwire compacted aluminium assisting conductor for light circuits

3. Light-stabilized cross-linked polyethylene insulation

Note: Wire lay-up is not illustrated.

