



СИП-4 1x70 ТУ У 31.3-00214534-014-2002

Self-supporting wires with light-stabilized thermoplastic polyethylene insulation

Used for laying:

- *aerial electric power lines for the rated voltage of 0.6/1 kV*
- *branches to the inputs into dwellings and outbuildings*

TECHNICAL SPECIFICATIONS

Rated voltage	kV	0.6 / 1
Number and rated area of phase conductors	mm ²	1 x 70
Phase insulation thickness	mm	1.8
Current ratings *		
• <i>Continuous</i>	A	180
• <i>at short circuit (not more than 1 s)</i>	kA	4.5
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	133
Rated outer diameter of the cable (for reference) **	mm	13.3
Weight (approximate)	kg/km	240
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 5990 • 1.7 # 18: 6840 • 2.1

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

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1. Aluminium multiwire compacted conductor
 2. Light-stabilized thermoplastic polyethylene insulation
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