



СИП-4 4x70+1x35 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	4 x 70
Number and rated area of additional conductors for light circuits	mm ²	1 x 35
Phase insulation thickness	mm	1.8
Current ratings *		
• Continuous	A	180
• at short circuit (not more than 1 s)	kA	4.5
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	358
Rated outer diameter of the cable (for reference) **	mm	35.8
Weight (approximate)	kg/km	1110
Rated factory cable length and gross weight of the delivery on the drums	m, t	# 16a: 780 • 1.1 # 18: 890 • 1.4 # 20: 1430 • 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 %



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CONSTRUCTION

1. Aluminium multiwire compacted conductor
2. Multiwire compacted aluminium assisting conductor for light circuits
3. Light-stabilized thermoplastic polyethylene insulation

Note: Wire lay-up is not illustrated.

