200106-014120116000

СИП-5 4x120+1x16
ТУ У 31.3-00214534-014-2002

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*
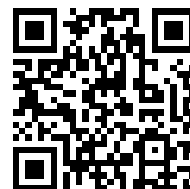- *branches to the inputs into dwellings and outbuildings*

TECHNICAL SPECIFICATIONS

Rated voltage	kV	0.6 / 1
Number and rated area of phase conductors	mm^2	4 x 120
Number and rated area of additional conductors for light circuits	mm^2	1 x 16
Phase insulation thikness	mm	1.7
Current ratings *		
• *Continious*	A	340
• *at short circuit (not more than 1 s)*	kA	10.9
Maximum permissible conductor temperature		
• *Continious*	˚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	437
Rated outer diameter of the cable (for reference) **	mm	43.7
Weight (approximate)	kg/km	1640
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 18: 600 · 1.4 # 20: 960 · 2.2

Notes:

When ordering it is neccesary 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^2

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

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PRODUCTION GUIDE

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CONSTRUCTION

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

Note: Wire lay-up is not illustrated.

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