



## СИП-4 4x50 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

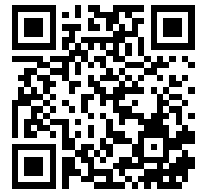
Rated voltage	kV	0.6 / 1
Number and rated area of phase conductors	mm <sup>2</sup>	4 x 50
Phase insulation thickness	mm	1.5
Current ratings *		
• <i>Continuous</i>	A	195
• <i>at short circuit (not more than 1 s)</i>	kA	4.6
Maximum permissible conductor temperature		
• <i>Continuous</i>	°C	+70
• <i>at 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	265
Rated outer diameter of the cable (for reference) **	mm	26.5
Weight (approximate)	kg/km	690
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 1500 • 1.3 # 18: 1710 • 1.6 # 20: 2740 • 2.5

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/m<sup>2</sup>

\*\* 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. Light-stabilized cross-linked polyethylene insulation

Note: Wire lay-up is not illustrated.

