



## СИП-2 3x50+1x70+1x16 ДСТУ 4743:2007, ТУ У 27.3-00214534-066:2013

Self-supporting wires with light-stabilized cross-linked polyethylene insulation, with neutral carrier insulated conductor

Used for laying:

- *trunks of aerial electric power lines and line branches for the rated voltage of 0.6/1 kV*
- *in air, types II and III according to ГОСТ 15150-69, including on sea coasts, salt lakes, in industrial areas and areas of saline sands*

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>	3 x 50
Number and rated area of additional conductors for light circuits	mm <sup>2</sup>	1 x 16
Carrier neutral conductor rated area	mm <sup>2</sup>	70
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	+90
• <i>at short circuit (not more than 5 s)</i>	°C	+250
Operating temperature range	°C	-60 ... +50
Permissible temperature of laying (installation), no less than	°C	-20
Minimum bending radius by laying	mm	353
Rated outer diameter of the cable (for reference) **	mm	35.3
Weight (approximate)	kg/km	820
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 780 • 0.9
		# 18: 890 • 1.2
		# 20: 1430 • 1.8

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. Multiwire aluminium-alloy compacted supporting conductor

*Note: It is possible to manufacture the wire with longitudinal core sealing by water-blocking materials*

#### 3. Multiwire compacted aluminium assisting conductor for light circuits

#### 4. Light-stabilized cross-linked polyethylene insulation

*Note: Wire lay-up is not illustrated.*

