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## СИПн-4 2x16 ДСТУ 4743:2007, ТУ У 27.3-00214534-079:2014

## Self-supporting flame-retardant wires with polymer compound 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 ΓΟCT 15150-69

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

Fire safety code in accordance with ДСТУ 4809:2007: ΠБ100000000

Products of this mark meet the requirements:

· single wire cable flame retardance

### **TECHNICAL SPECIFICATIONS**

Rated voltage	kV	0.6 / 1
Number and rated area of phase conductors	mm²	2 x 16
Phase insulation thikness	mm	1.4
Current ratings *		
Continious	Α	100
at short circuit (not more than 1 s)	kA	1.5
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	150
Rated outer diameter of the cable (for reference) **	mm	15
Weight (approximate)	kg/km	140
Rated factory cable length and gross weight of the delivery	m, t	# 16a: 4500 • 0.9
on the drums ***		# 18: 5140 • 1.2
		# 20: 8220 • 1.8

#### Notes:

When ordering it is neccesary to agree the factory length of the product with the manufacturer

<sup>\*</sup> 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

<sup>\*\*</sup> The external diameter may differ from the rated up to  $\pm$  10 %



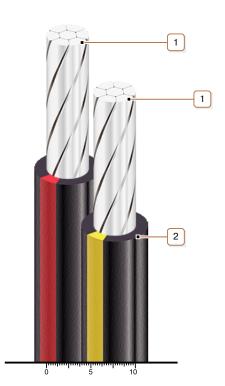




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# **CONSTRUCTION**

### 1. Aluminium multiwire compacted conductor

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

2. Flame-retardant polymer compound insulation

Note: Wire lay-up is not illustrated.