



СІПн-3-20 1x50

ДСТУ 4743:2007, ТУ У 27.3-00214534-066:2013

Single-core self-supporting high-voltage flame-retardant wires with polymer compound insulation

Used for laying:

- aerial electric power lines for the rated voltage from 10 kV till 35 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

Fire safety code in accordance with ДСТУ 4809:2007: ПБ100000000

Products of this mark meet the requirements:

- single wire cable flame retardance

TECHNICAL SPECIFICATIONS

Rated voltage	kV	20
Number and rated area of phase conductors	mm ²	1 x 50
Phase insulation thickness	mm	2.3
Current ratings *		
• Continious	A	245
• at short circuit (not more than 1 s)	KA	4.3
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	134
Rated outer diameter of the cable (for reference) **	mm	13.4
Weight (approximate)	kg/km	210
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 5990 • 1.5 # 18: 6840 • 1.9

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. Multiwire aluminium-alloy compacted conductor**

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

2. Flame-retardant polymer compound insulation