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

Self-supporting flame-retardant wires with polymer compound 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 FOCT 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: ПБ10000000 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	3 x 70
Number and rated area of additional conductors for light	mm²	1 x 16
circuits		
Carrier neutral conductor rated area	mm²	70
Phase insulation thikness	mm	1.5
Current ratings *		
Continious	А	240
at short circuit (not more than 1 s)	kA	6.5
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	386
Rated outer diameter of the cable (for reference) **	mm	38.6
Weight (approximate)	kg/km	1030
Rated factory cable length and gross weight of the delivery	m, t	# 16a: 700 • 1.0
on the drums ***		# 18: 800 • 1.3
		# 20: 1280 • 2.0
Neter		

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/m²

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



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CONSTRUCTION

1. Aluminium multiwire compacted conductor

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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. Flame-retardant polymer compound insulation

Note: Wire lay-up is not illustrated.

