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СИПн-1 3x50+1x50+2x25 ДСТУ 4743:2007, ТУ У 27.3-00214534-066:2013

Self-supporting flame-retardant wires with polymer compound insulation, with neutral carrier non-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 I and II according to FOCT 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: 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 50
Number and rated area of additional conductors for light	mm²	2 x 25
circuits		
Carrier neutral conductor rated area	mm²	50
Phase insulation thikness	mm	1.5
Current ratings *		
Continious	А	195
at short circuit (not more than 1 s)	kA	4.6
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	308
Rated outer diameter of the cable (for reference) **	mm	30.8
Weight (approximate)	kg/km	840
Rated factory cable length and gross weight of the delivery	m, t	# 16a: 1120 • 1.2
on the drums ***		# 18: 1290 • 1.5
		# 20: 2060 • 2.4
Notoo:		

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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Self-supporting flame-retardant wires with polymer compound insulation, with neutral carrier non-insulated conductor



1. Aluminium multiwire compacted conductor

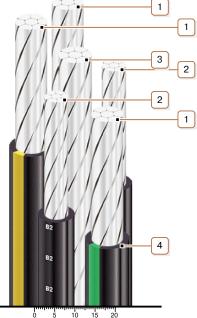
Note: It is possible to manufacture the wire with longitudinal core sealing by water-blocking materials

2. Multiwire compacted aluminium assisting conductor for light circuits

3. Multiwire aluminium-alloy compacted supporting conductor Note: It is possible to manufacture the wire with longitudinal core sealing by water-blocking materials

4. Flame-retardant polymer compound insulation

Note: Wire lay-up is not illustrated.



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