





СИПн-4 1х35 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	1 x 35	
Phase insulation thikness	mm	1.4	
Current ratings *			
Continious	Α	160	
at short circuit (not more than 1 s)	kA	3.2	
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	97	
Rated outer diameter of the cable (for reference) **	mm	9.7	
Weight (approximate)	kg/km	130	

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

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

2. Flame-retardant polymer compound insulation