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## СИПн-3-35 1х95 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 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: ПБ100000000

Products of this mark meet the requirements:

· single wire cable flame retardance

## **TECHNICAL SPECIFICATIONS**

Rated voltage	kV	35
Number and rated area of phase conductors	mm²	1 x 95
Phase insulation thikness	mm	3.5
Current ratings *		
Continious	Α	400
at short circuit (not more than 1 s)	kA	8.2
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	186
Rated outer diameter of the cable (for reference) **	mm	18.6
Weight (approximate)	kg/km	420
Rated factory cable length and gross weight of the delivery	m, t	# 16a: 3120 · 1.6
on the drums ***		# 18: 3570 • 2.0
		# 20: 5710 • 3.0

## 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. Multiwire aluminium-alloy compacted conductor Note: It is possible to manufacture the wire with longitudinal core sealing by water-blocking
- 2. Flame-retardant polymer compound insulation