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## СИПн-2 3x70+1x95+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	95
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	406
Rated outer diameter of the cable (for reference) **	mm	40.6
Weight (approximate)	kg/km	1110
Rated factory cable length and gross weight of the delivery	m, t	# 18: 720 • 1.3
on the drums ***		# 20: 1160 • 1.9
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/m<sup>2</sup>

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



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## CONSTRUCTION

1. Aluminium multiwire compacted conductor

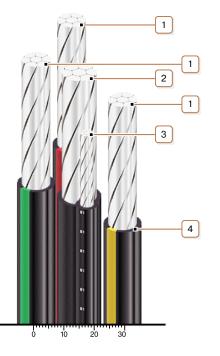
Note: It is possible to manufacture the wire with longitudinal core sealing by water-blocking materials

2. 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.



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