



7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830 E-mail: market@yuzhcable.com.ua



СИПн-2 3x35+1x50+2x16 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 35
Number and rated area of additional conductors for light	mm²	2 x 16
circuits		
Carrier neutral conductor rated area	mm²	50
Phase insulation thikness	mm	1.3
Current ratings *		
Continious	А	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	308
Rated outer diameter of the cable (for reference) **	mm	30.8
Weight (approximate)	kg/km	690
Rated factory cable length and gross weight of the delivery	m, t	# 16a: 1120 • 1.0
on the drums ***		# 18: 1290 • 1.3
		# 20: 2060 • 2.1
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

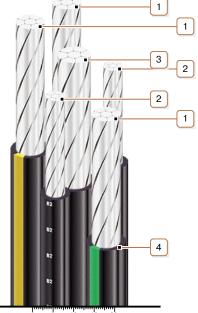
Note: It is possible to manufacture the wire with longitudinal core sealing by water-blocking materials

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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