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СИП-1 3x16+1x25 ДСТУ 4743:2007, ТУ У 27.3-00214534-066:2013

Self-supporting wires with light-stabilized cross-linked polyethylene 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 ΓΟCT 15150-69

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

TECHNICAL SPECIFICATIONS

Rated voltage	kV	0.6 / 1
Number and rated area of phase conductors	mm²	3 x 16
Carrier neutral conductor rated area	mm²	25
Phase insulation thikness	mm	1.3
Current ratings *		
Continious	Α	100
at short circuit (not more than 1 s)	kA	1.5
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	206
Rated outer diameter of the cable (for reference) **	mm	20.6
Weight (approximate)	kg/km	270
Rated factory cable length and gross weight of the delivery	m, t	# 16a: 2530 • 0.9
on the drums ***		# 18: 2890 • 1.2
		# 20: 4630 · 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/m²

^{**} The external diameter may differ from the rated up to \pm 10 %



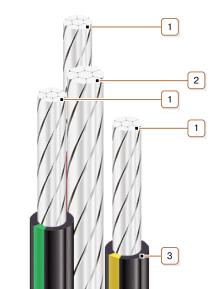




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CONSTRUCTION

1. Aluminium multiwire compacted conductor

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

2. Multiwire aluminium-alloy compacted supporting conductor

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

3. Light-stabilized cross-linked polyethylene insulation

Note: Wire lay-up is not illustrated.