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200201-013050225700

СІП-1 3х50+1х70+2х25
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 ГОСТ 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	mm^2	3 x 50
Number and rated area of additional conductors for light circuits	mm^2	2 x 25
Carrier neutral conductor rated area	mm^2	70
Phase insulation thikness	mm	1.5
Current ratings *		
• *Continious*	A	195
• *at short circuit (not more than 1 s)*	kA	4.6
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	323
Rated outer diameter of the cable (for reference) **	mm	32.3
Weight (approximate)	kg/km	900
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 990 • 1.2 # 18: 1130 • 1.5 # 20: 1810 • 2.3

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^2*

*** The external diameter may differ from the rated up to ± 10 %*

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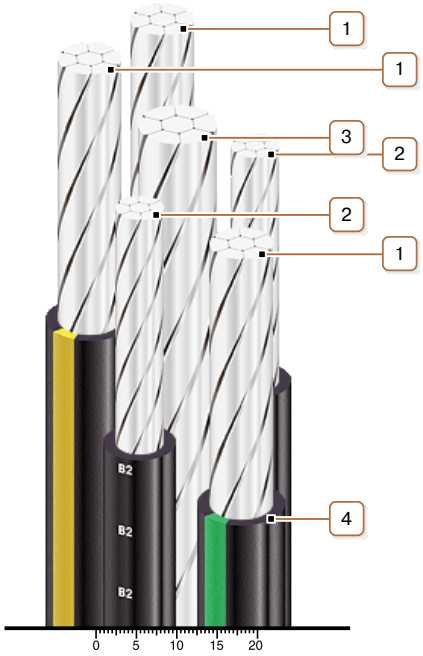
Self-supporting wires with light-stabilized cross-linked polyethylene insulation, with neutral carrier non-insulated conductor



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. Light-stabilized cross-linked polyethylene insulation

Note: Wire lay-up is not illustrated.

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