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## СИП-4 4x120+1x25 ДСТУ 4743:2007, ТУ У 27.3-00214534-066:2013

Self-supporting wires with light-stabilized cross-linked polyethylene insulation

Used for laying:

- aerial electric power lines for the rated voltage of 0.6/1 kV
- branches from aerial electric power lines for the rated voltage of 0.6/1 kV to the input and for the laying on the walls of buildings and engineering structures
- in air, types II and III 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	4 x 120
Number and rated area of additional conductors for light	mm²	1 x 25
circuits		
Phase insulation thikness	mm	1.7
Current ratings *		
Continious	Α	340
<ul><li>at short circuit (not more than 1 s)</li></ul>	kA	10.9
Maximum permissible conductor temperature		
Continious	°C	+70
<ul> <li>at short circuit (not more than 5 s)</li> </ul>	°C	+135
Operating temperature range	°C	-60 +50
Permissible temperature of laying (installation), no less than	°C	-20
Minimum bending radius by laying	mm	437
Rated outer diameter of the cable (for reference) **	mm	43.7
Weight (approximate)	kg/km	1670
Rated factory cable length and gross weight of the delivery	m, t	# 18: 600 • 1.5
on the drums ***		# 20: 960 • 2.2

#### 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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Self-supporting wires with light-stabilized cross-linked polyethylene insulation

### 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. Light-stabilized cross-linked polyethylene insulation

Note: Wire lay-up is not illustrated.

