



200201-013120000950


СІП-1 3x120+1x95
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 120
Carrier neutral conductor rated area	mm ²	95
Phase insulation thickness	mm	1.7
Current ratings *		
• <i>Continious</i>	A	340
• <i>at short circuit (not more than 1 s)</i>	kA	10.9
Maximum permissible conductor temperature		
• <i>Continious</i>	°C	+90
• <i>at short circuit (not more than 5 s)</i>	°C	+250
Operating temperature range	°C	-60 ... +50
Permissible temperature of laying (installation), no less than	°C	-20
Minimum bending radius by laying	mm	443
Rated outer diameter of the cable (for reference) **	mm	44.3
Weight (approximate)	kg/km	1440
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 18: 600 • 1.3 # 20: 960 • 2.0

Notes:

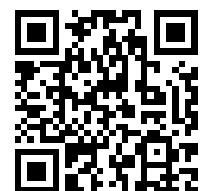
When ordering it is necessary to agree the factory length of the product with the manufacturer

 * 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 ± 10 %



200201-013120000950



СІП-1 3x120+1x95

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

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.

