

**AsXSn 4x120**  
**TY Y 27.3-00214534-074:2013**

Self-supporting flame-retardant wires with polymer compound insulation

Used for laying:

- *aerial electric power lines for the rated voltage of 0.6/1 kV*
- *branches to the inputs into dwellings and outbuildings*

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

Fire safety code in accordance with ДСТУ 4809:2007: ПБ1000000000

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	mm <sup>2</sup>	4 x 120
Phase insulation thickness	mm	1.7
Current ratings *		
• <i>Continuous</i>	A	340
• <i>at short circuit (not more than 1 s)</i>	kA	10.9
Maximum permissible conductor temperature		
• <i>Continuous</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	390
Rated outer diameter of the cable (for reference) **	mm	39
Weight (approximate)	kg/km	1570
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 630 • 1.2 # 18: 720 • 1.6 # 20: 1160 • 2.5

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/m<sup>2</sup>

\*\* The external diameter may differ from the rated up to ± 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. Flame-retardant polymer compound insulation

*Note: Wire lay-up is not illustrated.*

