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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: ПБ10000000

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	mm²	4 x 95
Number and rated area of additional conductors for light	mm²	2 x 25
circuits		
Phase insulation thikness	mm	1.7
Current ratings *		
Continious	А	300
at short circuit (not more than 1 s)	kA	8.8
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	С	-20
Minimum bending radius by laying	mm	441
Rated outer diameter of the cable (for reference) **	mm	44.1
Weight (approximate)	kg/km	1470
Rated factory cable length and gross weight of the delivery	m, t	# 18: 600 • 1.3
on the drums ***		# 20: 960 • 2.1
Notes:		

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 compacted aluminium assisting conductor for light circuits

3. Flame-retardant polymer compound insulation

Note: Wire lay-up is not illustrated.

