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200302-201150000000

СИПн-3-20 1х150
ДСТУ 4743:2007, ТУ У 27.3-00214534-066:2013

Single-core self-supporting high-voltage flame-retardant wires with polymer compound insulation

Used for laying:
- *aerial electric power lines for the rated voltage from 10 kV till 35 kV*
- *in air, types II and III according to ГОСТ 15150-69, including on sea coasts, salt lakes, in industrial areas and areas of saline sands*

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

Fire safety code in accordance with ДСТУ 4809:2007: ПБ100000000
Products of this mark meet the requirements:
- *single wire cable flame retardance*

TECHNICAL SPECIFICATIONS

Rated voltage	kV	20
Number and rated area of phase conductors	mm^2	1 x 150
Phase insulation thikness	mm	2.3
Current ratings *		
• *Continious*	A	485
• *at short circuit (not more than 1 s)*	kA	12.9
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	189
Rated outer diameter of the cable (for reference) **	mm	18.9
Weight (approximate)	kg/km	520
Rated factory cable length and gross weight of the delivery on the drums	m, t	# 16a: 3120 • 1.9 # 18: 3570 • 2.3 # 20: 5710 • 3.6

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 ± 10 %*

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CONSTRUCTION

1. Multiwire aluminium-alloy compacted conductor
2. Flame-retardant polymer compound insulation

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