



## СГ 3x120+1x70-1 ТУ У 27.3-00214534-091:2017

Power cables with copper conductors, with impregnated paper insulation, lead-sheathed

Cables are used for laying:

- *in blocks*
- *with no risk of mechanical damage in operation*

Fire safety code in accordance with ДСТУ 4809:2007: ПБ100000000

Products of this mark meet the requirements:

- *single wire cable flame retardance*

### TECHNICAL SPECIFICATIONS

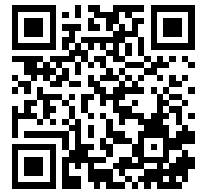
Rated voltage	kV	1
Number and rated area of conductors	mm <sup>2</sup>	3 x 120 + 1 x 70
Insulation thickness between conductors	mm	1.7
Insulation thickness of conductor-sheath	mm	1.45
Sheath thickness	mm	1.96
Permissible continuous current rating *		
• <i>by aerial laying</i>	A	348
• <i>by burial</i>	A	325
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	570
Level difference along the laying rout, not more than	m	20
Metal sheath outer diameter (for reference only)	mm	36
Rated outer diameter of the cable (for reference) **	mm	38
Cable weight (approximate)	kg/km	6620
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 700 • 4.9

Notes:

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

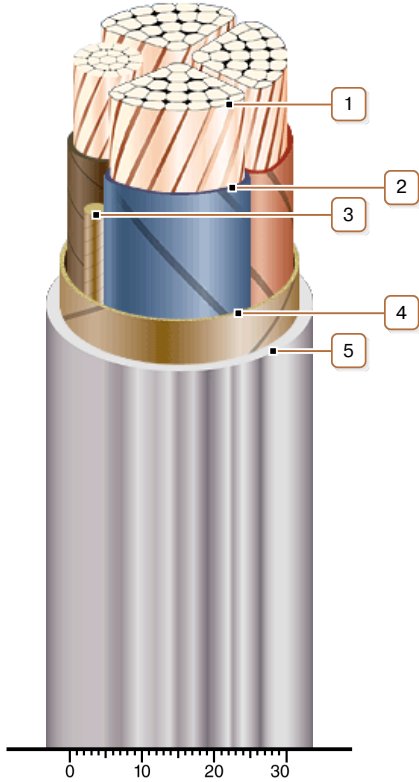
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

\*\* The external diameter may differ from the rated up to ± 10 %



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**TY Y 27.3-00214534-091:2017**

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**CONSTRUCTION**

1. Copper multiwire compact conductor
2. Impregnated paper insulation
3. Cable paper bundle
4. Belt insulation
5. Lead sheath

*Note: Conductor twisting is not illustrated*