



СГ 3x120-10 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	10
Number and rated area of conductors	mm ²	3 x 120
Insulation thickness between conductors	mm	5.5
Insulation thickness of conductor-sheath	mm	4
Sheath thickness	mm	2.11
Permissible continuous current rating *		
• <i>by aerial laying</i>	A	305
• <i>by burial</i>	A	284
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	645
Level difference along the laying rout, not more than	m	15
Metal sheath outer diameter (for reference only)	mm	41
Rated outer diameter of the cable (for reference) **	mm	43
Cable weight (approximate)	kg/km	7070
Rated factory cable length and gross weight of the delivery on the drums	m, t	# 16a: 520 • 3.9 # 18: 600 • 4.7

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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CONSTRUCTION

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

Note: Conductor twisting is not illustrated

