



## СБ 3x120-1 TY Y 27.3-00214534-091:2017

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

Cables are used for laying:

- in soil (trenches) with medium corrosiveness without vagabond currents
- in soil (trenches) with low corrosiveness, as well as with vagabond currents
- in mines, non-hazardous as for gas and dust
- with a risk of mechanical damage and no tensile forces in operation

### TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm <sup>2</sup>	3 x 120
Insulation thickness between conductors	mm	1.7
Insulation thickness of conductor-sheath	mm	1.45
Sheath thickness	mm	1.36
Permissible continuous current rating *		
• by aerial laying	A	348
• by burial	A	325
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	645
Level difference along the laying rout, not more than	m	20
Metal sheath outer diameter (for reference only)	mm	31
Rated outer diameter of the cable (for reference) **	mm	43
Cable weight (approximate)	kg/km	6100
Rated factory cable length and gross weight of the delivery on the drums	m, t	# 16a: 520 • 3.4 # 18: 600 • 4.1

Notes:

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

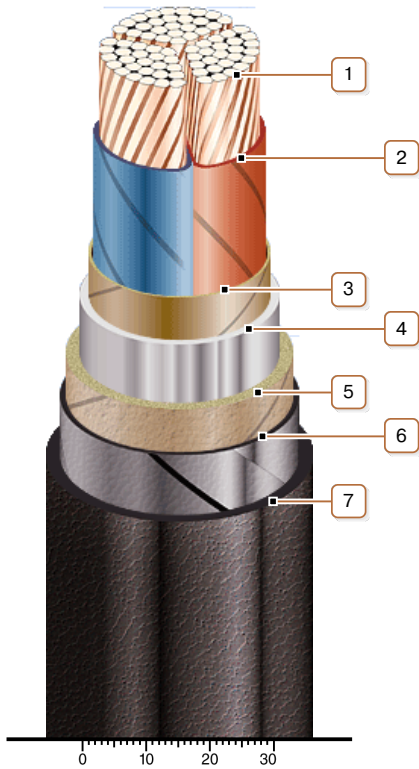
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

\*\* 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. *Belt insulation*
4. *Lead sheath*
5. *Bedding*
6. *Double steel-tape armour*
7. *Outer covering*

*Note: Conductor twisting is not illustrated*