



## СБШВ 3x120-6 ТУ У 27.3-00214534-091:2017

Power cables with copper conductors, with impregnated paper insulation, lead-sheathed, steel-tape armoured, with PVC-compound protection hose

Cables are used for laying:

- in soil (trenches) with high corrosiveness without vagabond currents
- in soil (trenches) with medium corrosiveness, as well as with vagabond currents
- in fire-risk premises
- on technological trestles
- on special cable bridges
- in mines, non-hazardous as for gas and dust
- with a risk of mechanical damage and no tensile forces 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	6
Number and rated area of conductors	mm <sup>2</sup>	3 x 120
Insulation thickness between conductors	mm	4
Insulation thickness of conductor-sheath	mm	2.95
Sheath thickness	mm	1.46
Permissible continuous current rating *		
• by aerial laying	A	342
• by burial	A	318
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	750
Level difference along the laying rout, not more than	m	15
Metal sheath outer diameter (for reference only)	mm	37
Rated outer diameter of the cable (for reference) **	mm	50
Cable weight (approximate)	kg/km	7280
Rated factory cable length and gross weight of the delivery on the drums	m, t	# 16a: 410 • 3.2 # 18: 460 • 3.8

Notes:

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

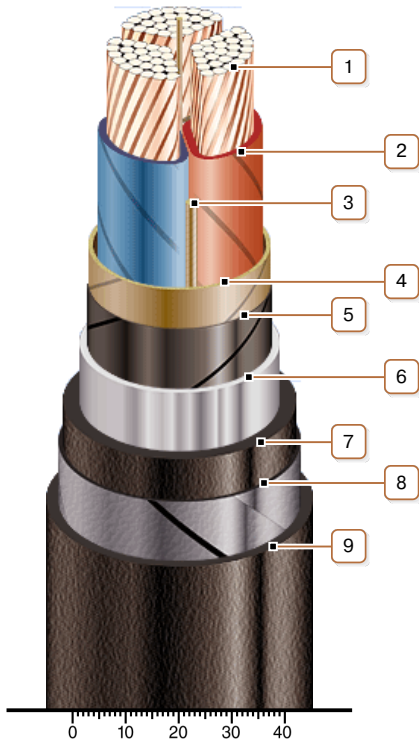
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

\*\* 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
7. Bedding with PVC compound moulded-in hose
8. Double steel-tape armour
9. Pressed PVC compound protection hose

Note: Conductor twisting is not illustrated