

**СБШВ 3х120-10**
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	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	1.56
Permissible continious 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	795
Level difference along the laying rout, not more than	m	15
Metal shaeth outer diameter (for reference only)	mm	41
Rated outer diameter of the cable (for reference) **	mm	53
Cable weight (approximate)	kg/km	8190
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 350 • 3.1 # 18: 400 • 3.7

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: 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

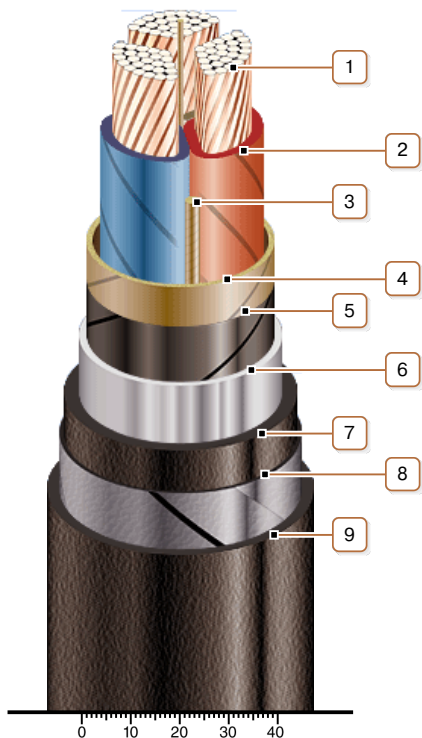
** The external diameter may differ from the rated up to ± 10 %



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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