

**СБГ 3x185-1**  
**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 dry premises (tunnels), ducts, cable cellars, mines, collectors, industrial and other premises, including damp, partially flooded premises, environment with medium and high corrosiveness*
- *in fire-risk premises*
- *on technological trestles*
- *on special cable bridges*
- *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	1
Number and rated area of conductors	mm <sup>2</sup>	3 x 185
Insulation thickness between conductors	mm	1.9
Insulation thickness of conductor-sheath	mm	1.55
Sheath thickness	mm	1.52
Permissible continuous current rating *		
• <i>by aerial laying</i>	A	451
• <i>by burial</i>	A	404
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	690
Level difference along the laying rout, not more than	m	20
Metal sheath outer diameter (for reference only)	mm	40
Rated outer diameter of the cable (for reference) **	mm	46
Cable weight (approximate)	kg/km	8590
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 18: **** 528 • 5.0

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*

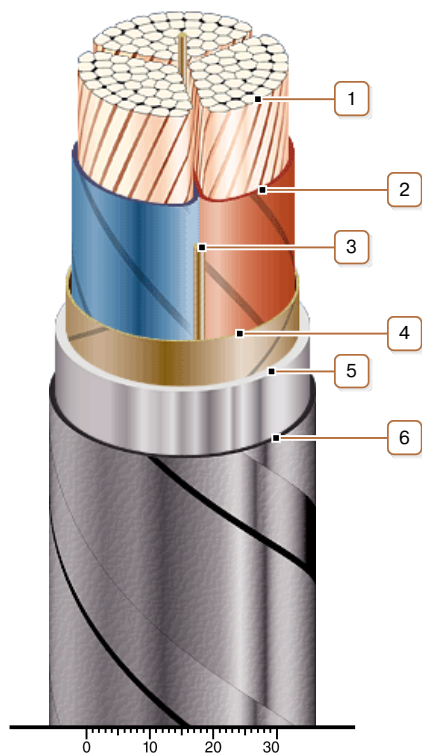
*\*\* The external diameter may differ from the rated up to ± 10 %*

*\*\*\*\* Option delivery on not full drum*



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### **CONSTRUCTION**

1. *Copper multiwire compact conductor*
2. *Impregnated paper insulation*
3. *Cable paper bundle*
4. *Belt insulation*
5. *Lead sheath*
6. *Double galvanized steel-tape armour*

*Note: Conductor twisting is not illustrated*