



СБ 3x35(ож)-10 **ТУ У 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	10
Number and rated area of conductors	mm ²	3 x 35
Insulation thickness between conductors	mm	5.5
Insulation thickness of conductor-sheath	mm	4
Sheath thickness	mm	1.32
Permissible continuous current rating *		
• <i>by aerial laying</i>	A	142
• <i>by burial</i>	A	144
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	600
Level difference along the laying rout, not more than	m	15
Metal sheath outer diameter (for reference only)	mm	28
Rated outer diameter of the cable (for reference) **	mm	40
Cable weight (approximate)	kg/km	3800
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 630 • 2.7 # 18: 720 • 3.2

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

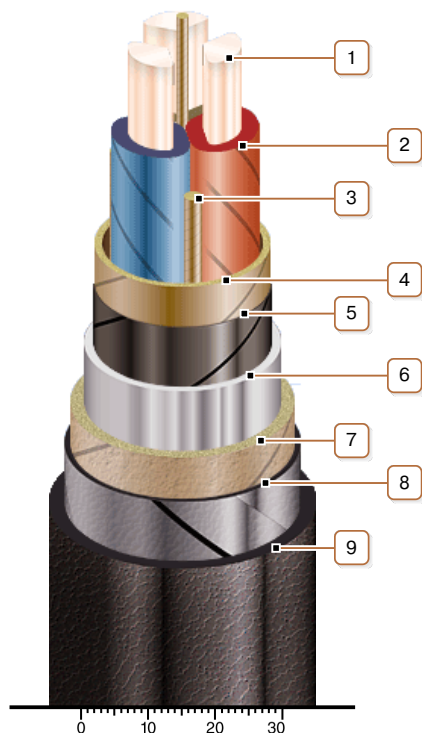
** The external diameter may differ from the rated up to ± 10 %



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CONSTRUCTION



1. *Copper conductor*
2. *Impregnated paper insulation*
3. *Cable paper bundle*
4. *Belt insulation*
5. *Conducting paper screen*
6. *Lead sheath*
7. *Bedding*
8. *Double steel-tape armour*
9. *Outer covering*

Note: Conductor twisting is not illustrated