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СБ 3x50(ож)-1 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	1
Number and rated area of conductors	mm²	3 x 50
Insulation thikness between conductors	mm	1.5
Insulation thikness of conductor-sheath	mm	1.25
Sheath thikness	mm	1.15
Permissible continious current rating *		
• by aerial laying	Α	195
• by burial	Α	200
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	480
Level difference along the laying rout, not more than	m	20
Metal shaeth outer diameter (for reference only)	mm	20
Rated outer diameter of the cable (for reference) **	mm	32
Cable weight (approximate)	kg/km	2960
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16: 370 • 1.4

## Notes:

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

<sup>\*</sup> 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

<sup>\*\*</sup> The external diameter may differ from the rated up to  $\pm$  10 %



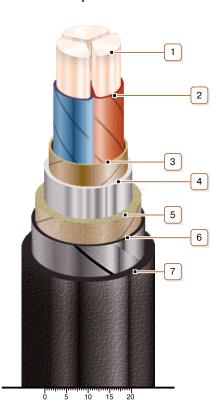




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## **CONSTRUCTION**

- 1. Copper 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