



СБГ 3x50(ож)-10 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	10
Number and rated area of conductors	mm ²	3 x 50
Insulation thickness between conductors	mm	5.5
Insulation thickness of conductor-sheath	mm	4
Sheath thickness	mm	1.36
Permissible continuous current rating *		
• <i>by aerial laying</i>	A	175
• <i>by burial</i>	A	176
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	570
Level difference along the laying rout, not more than	m	15
Metal sheath outer diameter (for reference only)	mm	30
Rated outer diameter of the cable (for reference) **	mm	38
Cable weight (approximate)	kg/km	4100
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 700 • 3.1

Notes:

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

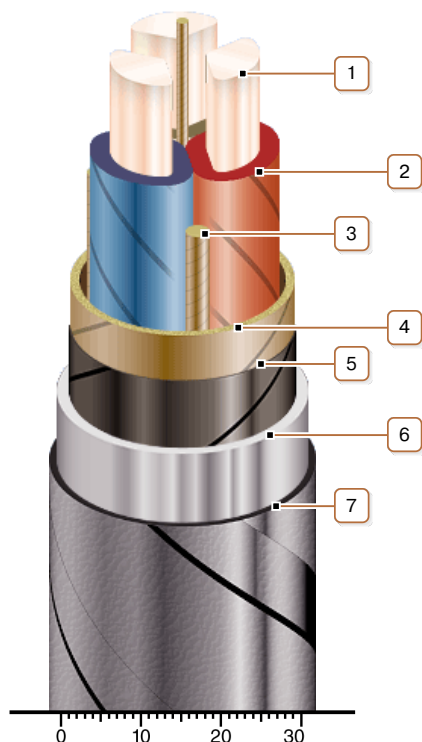
** Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m*

*** 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. *Double galvanized steel-tape armour*

Note: Conductor twisting is not illustrated