



СБвШнг 3х50(ож)-10 ТУ У 27.3-00214534-091:2017

Power cables with copper conductors, with impregnated paper insulation, lead-sheathed, steel-tape armoured, with low-flammable PVC-compound protection hose

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 special cable bridges
- with a risk of mechanical damage and no tensile forces in operation
- in bunches

Fire safety code in accordance with ДСТУ 4809:2007: ПБ120000000

Products of this mark meet the requirements:

- single wire cable flame retardance
- bunched cable flame retardance category A

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 *		
• by aerial laying	A	175
• by burial	A	176
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	630
Level difference along the laying route, not more than	m	15
Metal sheath outer diameter (for reference only)	mm	30
Rated outer diameter of the cable (for reference) **	mm	42
Cable weight (approximate)	kg/km	4790
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 570 • 3.0 # 18: 660 • 3.6

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

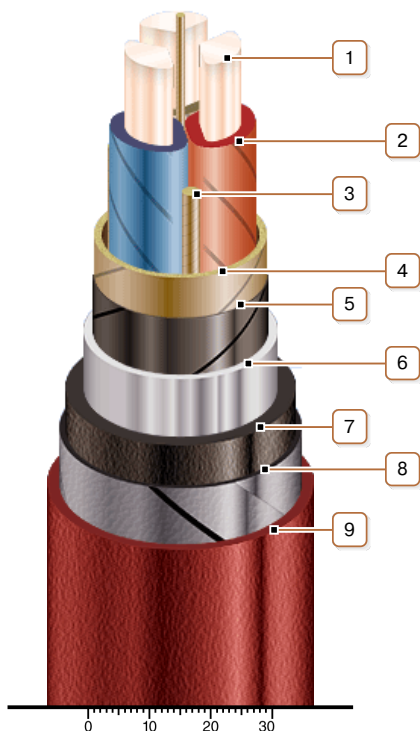
** The external diameter may differ from the rated up to ± 10 %



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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 with PVC compound moulded-in hose*
8. *Double galvanized steel-tape armour*
9. *Pressed off low-flammable PVC compound protection hose*

Note: Conductor twisting is not illustrated