155201-101003000050

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СП2л 3х50(ож)-10
ТУ У 27.3-00214534-091:2017

Power cables with copper conductors, with impregnated paper insulation, lead-sheathed, steel-wire armoured

Cables are used for laying:
- *in soil (trenches) with high corrosiveness, as well as with vagabond currents*
- *with a risk of mechanical damage and tensile forces in operation*

TECHNICAL SPECIFICATIONS

Rated voltage	kV	10
Number and rated area of conductors	mm^2	3 x 50
Insulation thikness between conductors	mm	5.5
Insulation thikness of conductor-sheath	mm	4
Sheath thikness	mm	1.36
Permissible continious current rating *		
• *by aerial laying*	A	175
• *by burial*	A	176
Operating temperature range	˚C	-50 ... +50
Minimum bending radius by laying	mm	705
Level difference along the laying rout, not more than	m	15
Metal shaeth outer diameter (for reference only)	mm	30
Rated outer diameter of the cable (for reference) **	mm	47
Cable weight (approximate)	kg/km	5510
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 440 • 2.7 # 18: 500 • 3.2

Notes:

When ordering it is neccesary 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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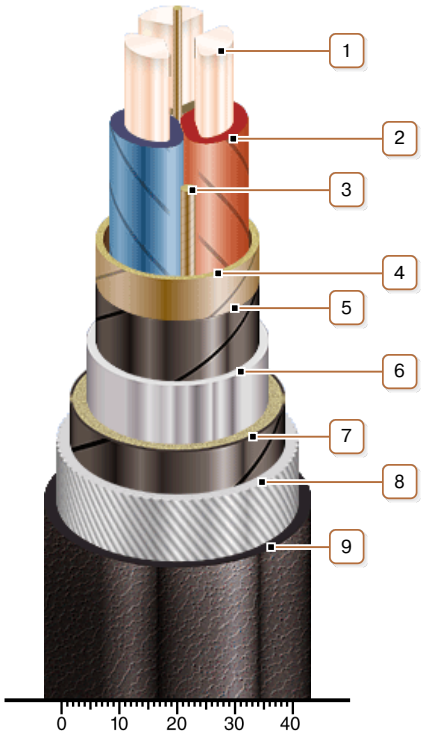

CONSTRUCTION

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

Note: Conductor twisting is not illustrated

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