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

Power cables with aluminium conductors, with non-draining impregnated paper insulation, aluminium-sheathed, steel-wire armoured

Cables are used for laying:

- *without level difference limitation*
- *in soil (trenches) with medium corrosiveness without vagabond currents*
- *with a risk of mechanical damage and tensile forces in operation*

**TECHNICAL SPECIFICATIONS**

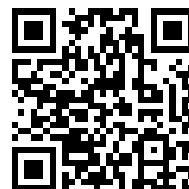
Rated voltage	kV	10
Number and rated area of conductors	mm <sup>2</sup>	3 x 50
Insulation thickness between conductors	mm	5.5
Insulation thickness of conductor-sheath	mm	4
Sheath thickness	mm	1.35
Permissible continuous current rating *		
• <i>by aerial laying</i>	A	132
• <i>by burial</i>	A	134
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	1175
Metal sheath outer diameter (for reference only)	mm	30
Rated outer diameter of the cable (for reference) **	mm	47
Cable weight (approximate)	kg/km	3660
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 440 • 1.9 # 18: 500 • 2.3

Notes:

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

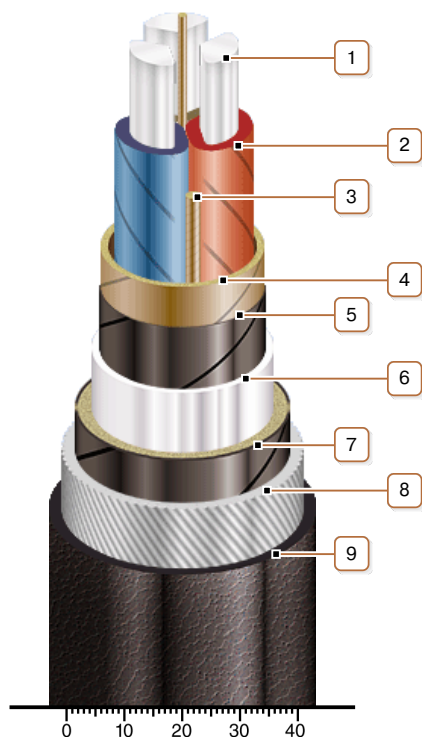
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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### CONSTRUCTION

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

*Note: Conductor twisting is not illustrated*