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## ЦААПл 3x70-10 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	mm²	3 x 70
Insulation thikness between conductors	mm	5.5
Insulation thikness of conductor-sheath	mm	4
Sheath thikness	mm	1.5
Permissible continious current rating *		
by aerial laying	Α	161
• by burial	Α	162
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	1325
Metal shaeth outer diameter (for reference only)	mm	36
Rated outer diameter of the cable (for reference) **	mm	53
Cable weight (approximate)	kg/km	4620
Rated factory cable length and gross weight of the delivery	m, t	# 18: 400 • 2.3
on the drums ***		# 20: 630 • 3.5

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 %



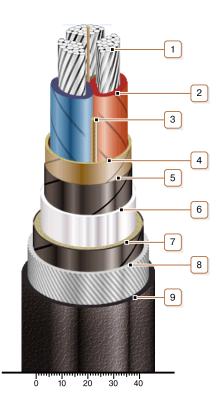




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## **CONSTRUCTION**

- 1. Aluminium multiwire compacted 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