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ACБ 3x185-10 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with impregnated paper insulation, lead-sheathed, steel-tape armoured

Cables are used for laying:

- in soil (trenches) with medium corrosiveness without vagabond currents
- in soil (trenches) with low corrosiveness, as well as with vagabond currents
- in mines, non-hazardous as for gas and dust
- with a risk of mechanical damage and no tensile forces in operation

TECHNICAL SPECIFICATIONS

Rated voltage	kV	10
Number and rated area of conductors	mm²	3 x 185
Insulation thikness between conductors	mm	5.5
Insulation thikness of conductor-sheath	mm	4
Sheath thikness	mm	1.66
Permissible continious current rating *		
by aerial laying	Α	298
• by burial	Α	275
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	900
Level difference along the laying rout, not more than	m	15
Metal shaeth outer diameter (for reference only)	mm	49
Rated outer diameter of the cable (for reference) **	mm	60
Cable weight (approximate)	kg/km	7050
Rated factory cable length and gross weight of the delivery	m, t	# 18: 320 • 2.7
on the drums ***		# 20: 510 • 4.2
		# 22: 580 • 4.9

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 \pm 10 %



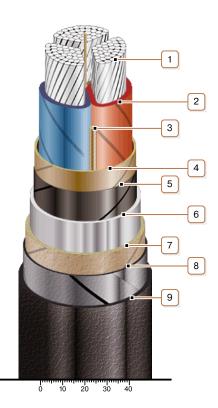




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CONSTRUCTION

- 1. Aluminium multiwire compacted conductor
- 2. Impregnated paper insulation
- 3. Cable paper bundle
- 4. Belt insulation
- 5. Conducting paper screen
- 6. Lead sheath
- 7. Bedding
- 8. Double steel-tape armour
- 9. Outer covering

Note: Conductor twisting is not illustrated