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ААБл 4х35(ож)-1 ТУ У 27.3-00214534-091:2017



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

Cables are used for laying:

• in soil (trenches) with medium corrosiveness without vagabond currents

• with a risk of mechanical damage and no tensile forces in operation

TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm²	4 x 35
Insulation thikness between conductors	mm	1.5
Insulation thikness of conductor-sheath	mm	1.25
Sheath thikness	mm	1.2
Permissible continious current rating *		
• by aerial laying	А	110
• by burial	А	117
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	825
Level difference along the laying rout, not more than	m	25
Metal shaeth outer diameter (for reference only)	mm	21
Rated outer diameter of the cable (for reference) **	mm	33
Cable weight (approximate)	kg/km	1610
Rated factory cable length and gross weight of the delivery	m, t	# 16: 330 • 0.8
on the drums ***		

Notes:

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

* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors 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 %



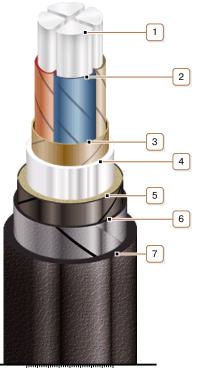


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CONSTRUCTION

- 1. Aluminium conductor
- 2. Impregnated paper insulation
- 3. Belt insulation
- 4. Aluminium sheath
- 5. Single-layer plastic-tape bedding
- 6. Double steel-tape armour
- 7. Outer covering

Note: Conductor twisting is not illustrated

0 5 10 15 20