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АВЗКВ 4x50 (ож)-1 ТУ У 31.3-00214534-016-2003



Power cables with aluminium conductors, with PVC compound insulation, with filling of intermediate spaces between the conductors, round-steel-wire armoured, with PVC compound outer sheath

Cables are used for laying:

single laying

• in premises, dry ducts and tunnels, in corrosive environment

• in places, where intense tensile forces are possible (in cable lifting, in bulk, heaving, boggy, everfrost soils)

Manufacturing of cables with a different number and different design of conductors is possible Manufacturing of single-phase cables with aluminium-wire armour is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ10000000

Products of this mark meet the requirements:

single wire cable flame retardance

TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm²	4 x 50
Phase insulation thikness	mm	1.4
Armor wire diameter	mm	2.2
Permissible continious current rating (AC of industrial frequency	/) *	
• by aerial laying	А	117
• by burial	А	132
Maximum permissible conductor temperature		
Continious	°C	+70
at short circuit	°C	+160
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	304
Rated outer diameter of the cable (for reference) **	mm	38
Cable weight (approximate)	kg/km	2970
Rated factory cable length and gross weight of the delivery	m, t	# 16a: 700 • 2.3
on the drums ***		# 18: 800 • 2.8
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 %



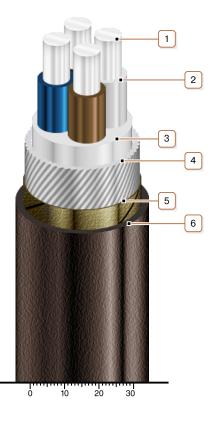


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CONSTRUCTION

- 1. Aluminium conductor
- 2. PVC compound insulation
- 3. PVC compound belt insulation

4. Round galvanized steel-wire armour Note: Manufacturing of single-phase cables with aluminium-wire armour is possible

- 5. Lapping layer of nonwoven cloth tape
- 6. PVC compound outer sheath

Note: Conductor twisting is not illustrated