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АВЗКВ 3x50 (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: ПБ100000000 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	3 x 50
Phase insulation thikness	mm	1.4
Armor wire diameter	mm	1.8
Permissible continious current rating (AC of industrial frequency	y) *	
by aerial laying	Α	126
• by burial	Α	143
Maximum permissible conductor temperature		
Continious	°C	+70
at short circuit	°C	+160
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	272
Rated outer diameter of the cable (for reference) **	mm	34
Cable weight (approximate)	kg/km	2240
Rated factory cable length and gross weight of the delivery	m, t	# 14: 540 • 1.4
on the drums ***		# 16a: 870 · 2.2
		# 18: 1000 • 2.7

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 %



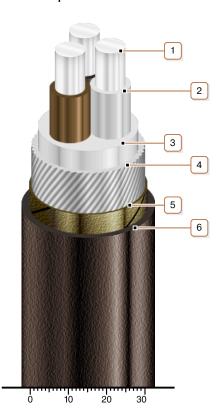




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CONSTRUCTION

- 1. Aluminium 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