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АВКВнг 3х35 (ож)-1 ТУ У 31.3-00214534-016-2003

Power cables with aluminium conductors, with PVC-compound insulation, galvanized steel-wire armoured, with low-flammable PVC-compound outer sheath

Cables are used for laying:

- · in bunches
- · 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: ПБ130000000

Products of this mark meet the requirements:

- · single wire cable flame retardance
- bunched cable flame retardance category B

TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm²	3 x 35
Phase insulation thikness	mm	1.2
Armor wire diameter	mm	1.8
Permissible continious current rating (AC of industrial frequency) *		
• by aerial laying	Α	106
• by burial	Α	123
Maximum permissible conductor temperature		
Continious	°C	+70
at short circuit	°C	+160
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	248
Rated outer diameter of the cable (for reference) **	mm	31
Cable weight (approximate)	kg/km	1710
Rated factory cable length and gross weight of the delivery	m, t	# 14: 610 · 1.2
on the drums ***		# 16a: 990 • 2.0

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 %



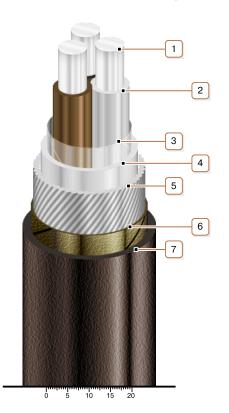




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CONSTRUCTION

- 1. Aluminium conductor
- 2. PVC compound insulation
- 3. PET film winding
- 4. PVC compound belt insulation
- 5. Round galvanized steel-wire armour

Note: Manufacturing of single-phase cables with aluminium-wire armour is possible

- 6. Lapping layer of nonwoven cloth tape
- 7. Low flammable PVC compound outer sheath

Note: Conductor twisting is not illustrated