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АВВГзнг 4х120 (ож)-1 ТУ У 31.3-00214534-018-2003

Power cables with aluminium conductors, with PVC-compound insulation, with low-flammable PVC-compound outer sheath

Cables are used for laying:

- · in bunches
- · in premises, dry ducts and tunnels, in corrosive environment

Manufacturing of cable with multiwire conductors is possible

Fire safety code in accordance with ДСТУ 4809:2007: ΠБ120000000

Products of this mark meet the requirements:

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

TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm²	4 x 120
Phase insulation thikness	mm	1.6
Permissible continious current rating (AC of industrial frequer	ncy) *	
by aerial laying	Α	212
• by burial	Α	226
Maximum permissible conductor temperature		
Continious	°C	+70
in emergency operation	°C	+90
at short circuit	°C	+160
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	315
Rated outer diameter of the cable (for reference) **	mm	42
Cable weight (approximate)	kg/km	2460
Rated factory cable length and gross weight of the delivery	m, t	# 16a: 570 · 1.7
on the drums ***		# 18: 660 • 2.1
		# 20: 1050 • 3.2

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 \pm 10 %



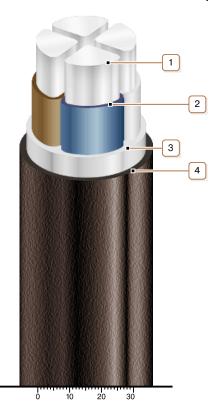




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CONSTRUCTION

- 1. Aluminium conductor
- 2. PVC compound insulation
- 3. PVC compound belt insulation
- 4. Low flammable PVC compound outer sheath

Note: Conductor twisting is not illustrated