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## АВВГнг 5х16 (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 PVC compound belt insulation 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	5 x 16
Phase insulation thikness	mm	1
Permissible continious current rating (AC of industrial frequency	y) *	
• by aerial laying	Α	62
• by burial	Α	71
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	165
Rated outer diameter of the cable (for reference) **	mm	22
Cable weight (approximate)	kg/km	510
Rated factory cable length and gross weight of the delivery	m, t	# 14: 1300 • 0.8
on the drums ***		

#### Notes

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

<sup>\*</sup> 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

<sup>\*\*</sup> The external diameter may differ from the rated up to  $\pm$  10 %



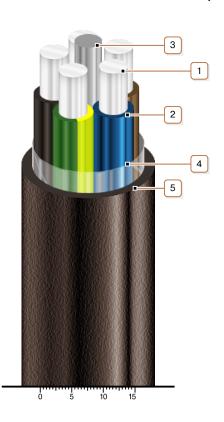




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### **CONSTRUCTION**

- 1. Aluminium conductor
- 2. PVC compound insulation
- 3. PVC compound bundle
- 4. PET film winding
- 5. Low flammable PVC compound outer sheath

Note: Conductor twisting is not illustrated