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## АПвВГнг 4х240 (ож)-1 ТУ У 31.3-00214534-018-2003



# Power cables with aluminium conductors, XLPE-insulated, 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: ПБ120000000

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 240
Phase insulation thikness	mm	1.7
Permissible continious current rating (AC of industrial frequency)	*	
• by aerial laying	А	421
• by burial	А	369
Maximum permissible conductor temperature		
Continious	°C	+90
in emergency operation	°C	+130
at short circuit	°C	+250
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	427.5
Rated outer diameter of the cable (for reference) **	mm	57
Cable weight (approximate)	kg/km	4210
Rated factory cable length and gross weight of the delivery	m, t	# 18: 340 • 1.9
on the drums ***		# 20: 550 • 3.0
Notes		

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 %



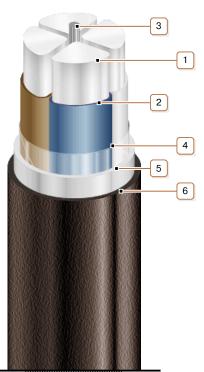


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## CONSTRUCTION 1. Aluminium conductor

- 2. XLPE insulation
- 3. PVC compound bundle
- 4. PET film winding
- 5. PVC compound belt insulation
- 6. Low flammable PVC compound outer sheath

Note: Conductor twisting is not illustrated

0 10 20 30 40