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АПвВГнг 4х4 (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

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 4
Phase insulation thikness	mm	0.7
Permissible continious current rating (AC of industrial frequency)	*	
• by aerial laying	А	31
• by burial	А	39
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	120
Rated outer diameter of the cable (for reference) **	mm	16
Cable weight (approximate)	kg/km	270
Rated factory cable length and gross weight of the delivery	m, t	# 12: 1280 · 0.5
on the drums ***		

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 %



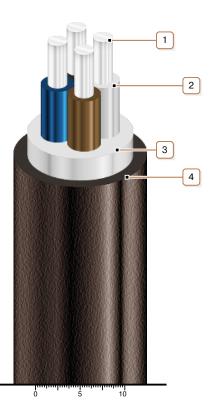


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CONSTRUCTION

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

Note: Conductor twisting is not illustrated