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АПвБВнг 5х16 (ож)-1 ТУ У 31.3-00214534-018-2003



Power cables with aluminium conductors, XLPE-insulated, galvanized steel-tape 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 small mechanical impacts on cable are possible, including tensile forces

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	0.7
Permissible continious current rating (AC of industrial frequen	су) *	
• by aerial laying	А	72
• by burial	А	80
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	187.5
Rated outer diameter of the cable (for reference) **	mm	25
Cable weight (approximate)	kg/km	700
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 14: 930 • 0.8

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 $^{\rm K}{\scriptstyle \bullet}$ m/W, laying depth in the soil 0.7 m

** The external diameter may differ from the rated up to \pm 10 %



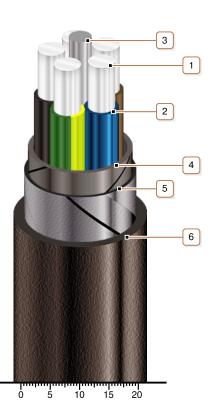


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CONSTRUCTION

- 1. Aluminium conductor
- 2. XLPE insulation
- 3. PVC compound bundle
- 4. Tape core wrapping
- 5. Double galvanized steel-tape armour
- 6. Low flammable PVC compound outer sheath

Note: Conductor twisting is not illustrated