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## ВБбШнгд 3х6-1 ТУ У 31.3-00214534-018-2003

Power cables with copper conductors, with low-flammable PVC-compound insulation, galvanized steel-tape armoured, with PVC-compound protection hose

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
- · in bunches, in crowded places

Fire safety code in accordance with ДСТУ 4809:2007: ΠБ123121000

Products of this mark meet the requirements:

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

• toxicity class Tk3 of the combustion products of nonmetallic elements (toxicity index over 120 g/m<sup>3</sup>)

 class ДTκ1 on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500  $m^2/kg$ )

class ДΠκ2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)

 corrosive class Kκ1 of combustion products of non-metallic elements (the number of halogen hydrides less than 150 mg/g, pH less than 4.3, specific conductivity more than 10  $\mu$ S/mm)

### **TECHNICAL SPECIFICATIONS**

Rated voltage	kV	1
Number and rated area of conductors	mm²	3 x 6
Phase insulation thikness	mm	1
Permissible continious current rating (AC of industrial frequency) *		
• by aerial laying	А	46
• by burial	А	59
Maximum permissible conductor temperature		
Continious	°C	+70
in emergency operation	°C	+80
at short circuit	°C	+130
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	142.5
Rated outer diameter of the cable (for reference) **	mm	19
Cable weight (approximate)	kg/km	650
Rated factory cable length and gross weight of the delivery	m, t	# 12: 910 · 0.7
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 for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C,

thermal resistivity of soil 1.2  $^{\circ}K^{\bullet}m/W$ , laying depth in the soil 0.7 m

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



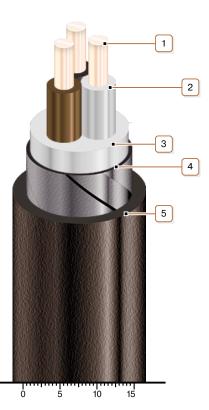


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#### **CONSTRUCTION**

- 1. Copper conductor
- 2. Low fire-risk PVC compound insulation
- 3. Low fire-risk PVC-compound inner sheath
- 4. Double galvanized steel-tape armour
- 5. Pressed off low fire-risk PVC compound protection hose

Note: Conductor twisting is not illustrated