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## ВБбШнг 5х4-1 ТУ У 31.3-00214534-018-2003



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

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	5 x 4
Phase insulation thikness	mm	1
Permissible continious current rating (AC of industrial frequence	су) *	
• by aerial laying	А	33
• by burial	А	43
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	157.5
Rated outer diameter of the cable (for reference) **	mm	21
Cable weight (approximate)	kg/km	660
Rated factory cable length and gross weight of the delivery	m, t	# 14: 1300 • 1.0
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  $\% \cdot m/W$ , laying depth in the soil 0.7 m

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



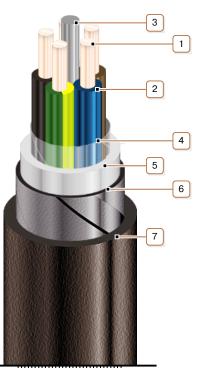


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## **CONSTRUCTION**

- 1. Copper conductor
- 2. PVC compound insulation
- 3. PVC compound bundle
- 4. PET film winding
- 5. PVC compound belt insulation
- 6. Double galvanized steel-tape armour
- 7. Pressed off low-flammable PVC compound protection hose

Note: Conductor twisting is not illustrated

0 5 10 15