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## ПвБВнг 3х10-1 ТУ У 31.3-00214534-018-2003



Power cables with copper 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

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	3 x 10
Phase insulation thikness	mm	0.7
Permissible continious current rating (AC of industrial frequen	су) *	
• by aerial laying	А	78
• by burial	А	86
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	157.5
Rated outer diameter of the cable (for reference) **	mm	21
Cable weight (approximate)	kg/km	680
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 14: 1300 • 1.1

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 $\cdot$ 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. XLPE insulation
- 3. PET film winding
- 4. PVC compound belt insulation
- 5. Double galvanized steel-tape armour
- 6. Low flammable PVC compound outer sheath

Note: Conductor twisting is not illustrated

0 5 10 15