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ПвБВнг 1х50-1 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

Manufacturing of cable with multiwire conductors 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	1 x 50
Phase insulation thikness	mm	1
Permissible continious current rating (AC of industrial frequency) *	
• by aerial laying	Α	220
• by burial	А	208
Permissible continious current rating (DC) *		
• by aerial laying	А	281
• by burial	Α	325
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	190
Rated outer diameter of the cable (for reference) **	mm	19
Cable weight (approximate)	kg/km	830
Rated factory cable length and gross weight of the delivery	m, t	# 12: 910 • 0.9
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 °K • 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. PVC compound belt insulation
- 4. Double galvanized steel-tape armour
- 5. Low flammable PVC compound outer sheath