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ПвБбШв 4x16-1 ГОСТ 16442-80,ТУ У 31.3-00214534-048:2007

Power cables with copper conductors, XLPE-insulated, galvanized steel-tape armoured, with PVC-compound protection hose

Cables are used for laying:

single laying

- · 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

Manufacturing of non-galvanized armoured cable, covered with a layer of bitumen and PET film is possible Manufacturing of cable with PVC compound belt insulation is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ10000000

Products of this mark meet the requirements:

• single wire cable flame retardance

TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm²	4 x 16
Phase insulation thikness	mm	0.7
Permissible continious current rating (AC of industrial frequency) *		
• by aerial laying	А	96
• by burial	А	104
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	172.5
Rated outer diameter of the cable (for reference) **	mm	23
Cable weight (approximate)	kg/km	980
Rated factory cable length and gross weight of the delivery	m, t	# 14: 1090 • 1.3
on the drums ***		
Notoc		

Notes:

When ordering it is neccesary to agree the factory length of the product with the manufacturer

* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors 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 %



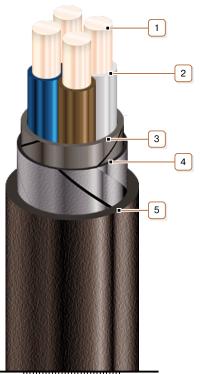


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CONSTRUCTION

- 1. Copper conductor
- 2. XLPE insulation
- 3. Tape core wrapping
- 4. Double galvanized steel-tape armour
- 5. Pressed PVC compound protection hose

Note: Conductor twisting is not illustrated

0 5 10 15