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ВКбШвнг 2х2.5-0.66 ТУ У 31.3-00214534-057:2007



Power cables with copper conductors, with PVC-compound insulation, galvanized steel-wire 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

It is possible manufacturing of cables in cold-resistant performance (ВКбШвнг-ХЛ) It is possible manufacturing of cables of low fire risk (ВКбШнгд), including fire-resistant (ВКбШнгд-FR) and cold-resistant (ВКбШнгд-ХЛ)

It is possible manufacturing of cables with polymer compound sheath, halogen-free (ВКбПнг-HF), including fire-resistant (ВКбПнг-FRHF)

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	0.66
Number and rated area of conductors	mm²	2 x 2.5
Insulation thikness	mm	0.6
Armor wire diameter	mm	0.3
Permissible continious current rating *		
• by aerial laying (AC of industrial frequency) *	A	27
by burial (AC of industrial frequency) *	Α	36
Maximum permissible conductor temperature		
Continious	°C	+70
in emergency operation	°C	+80
at short circuit	°C	+160
Operating temperature range	°C	-40 +50
Minimum bending radius by laying	mm	90
Rated outer diameter of the cable (for reference) **	mm	12
Cable weight (approximate)	kg/km	220
Rated factory cable length and gross weight of the delivery	m, t	# 10: 1650 • 0.4
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 ± 10 %



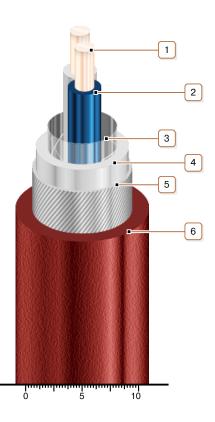


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CONSTRUCTION

- 1. Copper conductor
- 2. PVC compound insulation
- 3. PET film winding
- 4. PVC compound belt insulation
- 5. Round galvanized steel-wire armour

6. Pressed off low-flammable PVC compound protection hose

Notes:

- It is possible manufacturing of cables in cold-resistant performance (ВКбШвнг-ХЛ) It is possible manufacturing of cables of low fire risk (ВКбШнгд), including fire-resistant
- (ВКбШнгд-FR) and cold-resistant (ВКбШнгд-ХЛ)
- It is possible manufacturing of cables with polymer compound sheath, halogen-free (ВКбПнг-HF), including fire-resistant (ВКбПнг-FRHF)
- Conductor twisting is not illustrated