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ВВГнг 4x10-1 ТУ У 31.3-00214534-018-2003



Power cables with copper conductors, with PVC-compound insulation, with low-flammable PVC-compound outer sheath

Cables are used for laying:

- in bunches
- · in premises, dry ducts and tunnels, in corrosive environment

Manufacturing of cable with PVC compound belt insulation is possible

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	4 x 10
Phase insulation thikness	mm	1
Permissible continious current rating (AC of industrial frequency) *	r	
• by aerial laying	А	58
• by burial	А	73
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	135
Rated outer diameter of the cable (for reference) **	mm	18
Cable weight (approximate)	kg/km	530
Rated factory cable length and gross weight of the delivery	m, t	# 12: 1010 · 0.6
on the drums ***		
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Notes:

* 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 ± 10 %

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

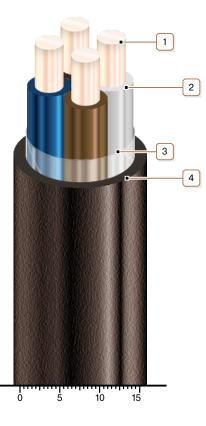




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CONSTRUCTION

- 1. Copper conductor
- 2. PVC compound insulation
- 3. PET film winding
- 4. Low flammable PVC compound outer sheath

Note: Conductor twisting is not illustrated