







ПвКВнг 4x120-1 ТУ У 31.3-00214534-016-2003

Power cables with copper conductors, XLPE-insulated, galvanized steel-wire 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 intense tensile forces are possible (in cable lifting, in bulk, heaving, boggy, everfrost soils)

Manufacturing of cables with a different number and different design of conductors is possible Manufacturing of single-phase cables with aluminium-wire armour is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ130000000

Products of this mark meet the requirements:

- · single wire cable flame retardance
- bunched cable flame retardance category B

TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm²	4 x 120
Phase insulation thikness	mm	1.2
Armor wire diameter	mm	2.8
Permissible continious current rating (AC of industrial frequency)	*	
• by aerial laying	Α	354
• by burial	Α	322
Maximum permissible conductor temperature		
Continious	°C	+90
at short circuit	°C	+250
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	392
Rated outer diameter of the cable (for reference) **	mm	49
Cable weight (approximate)	kg/km	7690
Rated factory cable length and gross weight of the delivery	m, t	# 18: 460 • 4.0
on the drums ***		# 20: 740 • 6.3
Materia		

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 %



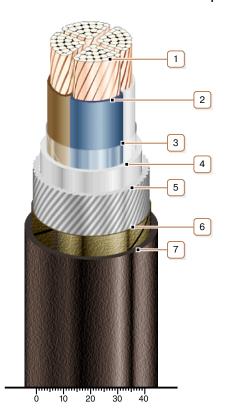




7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830 E-mail: market@yuzhcable.com.ua

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CONSTRUCTION

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

Note: Manufacturing of single-phase cables with aluminium-wire armour is possible

- 6. Lapping layer of nonwoven cloth tape
- 7. Low flammable PVC compound outer sheath

Note: Conductor twisting is not illustrated