



ПВЗКП 3x120-1 **ТУ У 31.3-00214534-016-2003**

Power cables with copper conductors, XLPE-insulated, with filling of intermediate spaces between the conductors, round-steel-wire armoured, with polyethylene outer sheath

Cables are used for laying:

- *in premises, tunnels, collectors, in soil (trenches), in corrosive environment*
- *in places, where intense tensile forces are possible (in cable lifting, in bulk, heaving, boggy, everfrost soils)*
- *in water at depth up to 10 m*

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: ПБ100000000

Products of this mark meet the requirements:

- *single wire cable flame retardance*

TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm ²	3 x 120
Phase insulation thickness	mm	1.2
Armor wire diameter	mm	2.2
Permissible continuous current rating (AC of industrial frequency) *		
• <i>by aerial laying</i>	A	381
• <i>by burial</i>	A	347
Maximum permissible conductor temperature		
• <i>Continuous</i>	°C	+90
• <i>at short circuit</i>	°C	+250
Operating temperature range	°C	-60 ... +50
Minimum bending radius by laying	mm	344
Rated outer diameter of the cable (for reference) **	mm	43
Cable weight (approximate)	kg/km	5720
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 520 • 3.2 # 18: 600 • 3.9 # 20: 960 • 6.1

Notes:

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

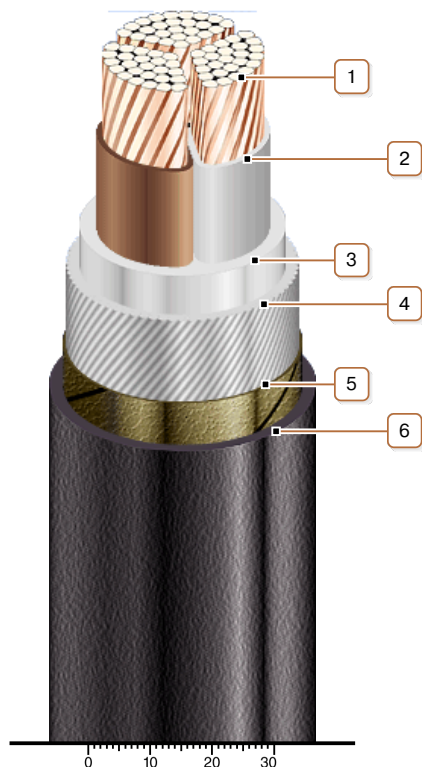
** Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m*

*** The external diameter may differ from the rated up to ± 10 %*



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CONSTRUCTION

1. Copper multiwire compact conductor

2. XLPE insulation

3. PVC compound belt insulation

4. Round galvanized steel-wire armour

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

5. Lapping layer of nonwoven cloth tape

6. Polyethylene outer sheath

Note: Conductor twisting is not illustrated