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# АПвЗКП 4х95-1 ТУ У 31.3-00214534-016-2003



Power cables with aluminium 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: 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	mm <sup>2</sup>	4 x 95
Phase insulation thikness	mm	1.1
Armor wire diameter	mm	2.2
Permissible continious current rating (AC of industrial frequency)		<i>L.L</i>
• by aerial laying	А	230
• by burial	А	216
Maximum permissible conductor temperature		
Continious	°C	+90
at short circuit	°C	+250
Operating temperature range	°C	-60 +50
Minimum bending radius by laying	mm	360
Rated outer diameter of the cable (for reference) **	mm	45
Cable weight (approximate)	kg/km	6010
Rated factory cable length and gross weight of the delivery	m, t	# 16a: 480 • 3.1
on the drums ***		# 18: 550 • 3.8
		# 20: 870 • 5.9
Notos		

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 ± 10 %

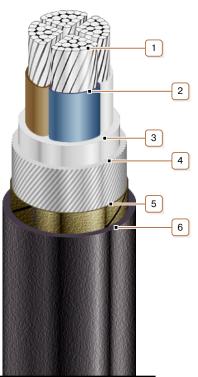




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### **CONSTRUCTION**

- 1. Aluminium multiwire compacted 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

0 10 20 30