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# **АПвБбШв 3х95 (ож)-1** ГОСТ 16442-80,ТУ У 31.3-00214534-048:2007

Power cables with aluminium conductors, XLPE-insulated, galvanized steel-tape armoured, with PVC-compound protection hose

Cables are used for laying:

- · single laying
- in premises, dry ducts and tunnels, in corrosive environment
- · in places, where small mechanical impacts on cable are possible, including tensile forces

Manufacturing of cable with multiwire conductors is possible

Manufacturing of non-galvanized armoured cable, covered with a layer of bitumen and PET film is possible Manufacturing of cable with PVC compound belt insulation is possible

Fire safety code in accordance with ДСТУ 4809:2007: ΠБ100000000 Products of this mark meet the requirements:

· single wire cable flame retardance

### **TECHNICAL SPECIFICATIONS**

Rated voltage	kV	1
Number and rated area of conductors	mm²	3 x 95
Phase insulation thikness	mm	1.1
Permissible continious current rating (AC of industrial frequence	cy) *	
by aerial laying	Α	248
• by burial	Α	233
Maximum permissible conductor temperature		
Continious	°C	+90
in emergency operation	°C	+130
• at short circuit	°C	+250
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	247.5
Rated outer diameter of the cable (for reference) **	mm	33
Cable weight (approximate)	kg/km	1540
Rated factory cable length and gross weight of the delivery	m, t	# 14: 540 • 1.0
on the drums ***		# 16a: 870 • 1.6
		# 18: 1000 • 2.0

#### Notes:

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

<sup>\*</sup> 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

<sup>\*\*</sup> The external diameter may differ from the rated up to  $\pm$  10 %



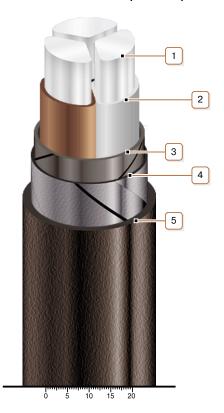




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### **CONSTRUCTION**

- 1. Aluminium conductor
- 2. XLPE insulation
- 3. Tape core wrapping
- 4. Double galvanized steel-tape armour
- 5. Pressed PVC compound protection hose

Note: Conductor twisting is not illustrated