

## **АВБбШВ 4x185 (ож)-1** **ГОСТ 16442-80,ТУ У 31.3-00214534-048:2007**

Power cables with aluminium conductors, with PVC-compound insulation, galvanized steel-tape armoured, with low-flammable 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: ПБ100000000

Products of this mark meet the requirements:

- *single wire cable flame retardance*

### **TECHNICAL SPECIFICATIONS**

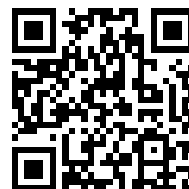
Rated voltage	kV	1
Number and rated area of conductors	mm <sup>2</sup>	4 x 185
Phase insulation thickness	mm	2
Permissible continuous current rating (AC of industrial frequency) *		
• <i>by aerial laying</i>	A	280
• <i>by burial</i>	A	290
Maximum permissible conductor temperature		
• <i>Continuous</i>	°C	+70
• <i>in emergency operation</i>	°C	+90
• <i>at short circuit</i>	°C	+160
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	367.5
Rated outer diameter of the cable (for reference) **	mm	49
Cable weight (approximate)	kg/km	3600
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 18: 460 • 2.1 # 20: 740 • 3.3

Notes:

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

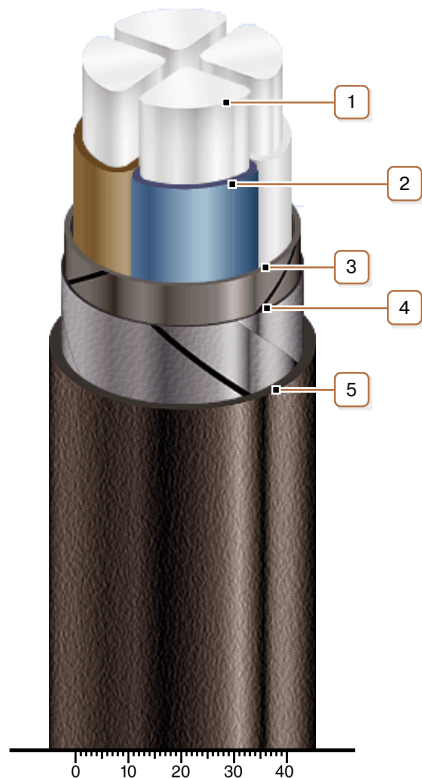
\* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



**ABБШВ 4x185 (ож)-1**  
**ГОСТ 16442-80,ТУ У 31.3-00214534-048:2007**

Power cables with aluminium conductors, with PVC-compound insulation, galvanized steel-tape armoured, with low-flammable PVC-compound protection hose



### CONSTRUCTION

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

*Note: Conductor twisting is not illustrated*