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# ААБвШнг 3х185-1 ТУ У 27.3-00214534-091:2017



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

### Cables are used for laying:

• in dry premises (tunnels), ducts, cable cellars, mines, collectors, industrial and other premises, including damp, partially flooded premises, environment with medium and high corrosivenes

- in fire-risk premises
- · on technological trestles
- with a risk of mechanical damage and no tensile forces in operation
- in bunches

Fire safety code in accordance with ДСТУ 4809:2007: ПБ120000000

- Products of this mark meet the requirements:
- single wire cable flame retardance
- bunched cable flame retardance category A

### **TECHNICAL SPECIFICATIONS**

Rated voltage	kV	1
Number and rated area of conductors	mm²	3 x 185
Insulation thikness between conductors	mm	1.9
Insulation thikness of conductor-sheath	mm	1.55
Sheath thikness	mm	1.55
Permissible continious current rating *		
• by aerial laying	А	342
• by burial	А	314
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	1325
Level difference along the laying rout, not more than	m	25
Metal shaeth outer diameter (for reference only)	mm	40
Rated outer diameter of the cable (for reference) **	mm	53
Cable weight (approximate)	kg/km	4340
Rated factory cable length and gross weight of the delivery	m, t	# 18: 400 • 2.2
on the drums		# 20: 630 • 3.4
• •		

Notes:

When ordering it is neccesary 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  $\pm$  10 %

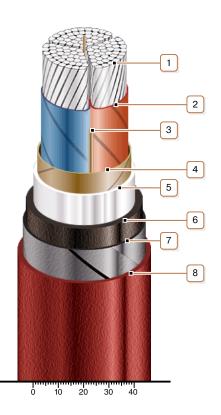




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## **CONSTRUCTION**

- 1. Aluminium multiwire compacted conductor
- 2. Impregnated paper insulation
- 3. Cable paper bundle
- 4. Belt insulation
- 5. Aluminium sheath
- 6. Bedding with PVC compound moulded-in hose
- 7. Double galvanized steel-tape armour
- 8. Pressed off low-flammable PVC compound protection hose

Note: Conductor twisting is not illustrated