



## ААШВ 4x150-1 TY Y 27.3-00214534-091:2017

Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed, with PVC-compound protection hose

Cables are used for laying:

- in soil (trenches) with high corrosiveness without vagabond currents
- in soil (trenches) with medium corrosiveness, as well as with vagabond currents
- in dry premises (tunnels), ducts, cable cellars, mines, collectors, industrial and other premises, including damp, partially flooded premises, environment with medium and high corrosiveness
- in fire-risk premises
- on special cable bridges
- on bridges
- in mines, non-hazardous as for gas and dust
- with no risk of mechanical damage in operation

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 150
Insulation thickness between conductors	mm	1.7
Insulation thickness of conductor-sheath	mm	1.45
Sheath thickness	mm	1.55
Permissible continuous current rating *		
• by aerial laying	A	279
• by burial	A	261
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	1150
Level difference along the laying rout, not more than	m	25
Metal sheath outer diameter (for reference only)	mm	40
Rated outer diameter of the cable (for reference) **	mm	46
Cable weight (approximate)	kg/km	3050
Rated factory cable length and gross weight of the delivery on the drums	m, t	# 18: 550 • 2.1

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 %



**ААШВ 4x150-1**  
**ТУ У 27.3-00214534-091:2017**

Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed, with PVC-compound protection hose

**CONSTRUCTION**

1. Aluminium multiwire compacted conductor
2. Impregnated paper insulation
3. Cable paper bundle
4. Belt insulation
5. Aluminium sheath
6. Pressed PVC compound protection hose

Note: Conductor twisting is not illustrated

