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# ААПлГ 3х50(ож)-6 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed, steel-wire armoured

### 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
- · on special cable bridges
- on bridges
- · with a risk of mechanical damage and tensile forces in operation

Fire safety code in accordance with **ДСТУ** 4809:2007: ПБ10000000

Products of this mark meet the requirements:

· single wire cable flame retardance

## **TECHNICAL SPECIFICATIONS**

<b>-</b> · · · ·		
Rated voltage	kV	6
Number and rated area of conductors	mm²	3 x 50
Insulation thikness between conductors	mm	4
Insulation thikness of conductor-sheath	mm	2.95
Sheath thikness	mm	1.3
Permissible continious current rating *		
• by aerial laying	А	146
• by burial	А	149
Operating temperature range	C	-50 +50
Minimum bending radius by laying	mm	975
Level difference along the laying rout, not more than	m	20
Metal shaeth outer diameter (for reference only)	mm	26
Rated outer diameter of the cable (for reference) **	mm	39
Cable weight (approximate)	kg/km	2900
Rated factory cable length and gross weight of the delivery	m, t	# 16a: 630 • 2.1
on the drums ***		

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 %

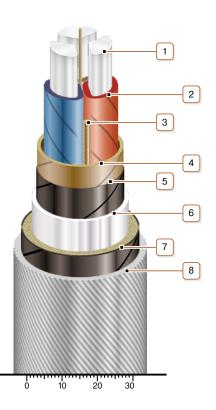




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## CONSTRUCTION

- 1. Aluminium conductor
- 2. Impregnated paper insulation
- 3. Cable paper bundle
- 4. Belt insulation
- 5. Conducting paper screen
- 6. Aluminium sheath
- 7. Single-layer plastic-tape bedding
- 8. Round galvanized steel-wire armour

Note: Conductor twisting is not illustrated