



7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830 E-mail: market@yuzhcable.com.ua

ААПлГ 3х50(ож)-10 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: ПБ100000000

Products of this mark meet the requirements:

• single wire cable flame retardance

TECHNICAL SPECIFICATIONS

Rated voltage	kV	10
Number and rated area of conductors	mm²	3 x 50
Insulation thikness between conductors	mm	5.5
Insulation thikness of conductor-sheath	mm	4
Sheath thikness	mm	1.35
Permissible continious current rating *		
• by aerial laying	А	132
by burial	А	134
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	1075
Level difference along the laying rout, not more than	m	15
Metal shaeth outer diameter (for reference only)	mm	30
Rated outer diameter of the cable (for reference) **	mm	43
Cable weight (approximate)	kg/km	3330
Rated factory cable length and gross weight of the delivery	m, t	# 16a: 520 • 2.0
on the drums ***		# 18: 600 • 2.5
Notoc:		

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 \cdot m/W, laying depth in the soil 0.7 m

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

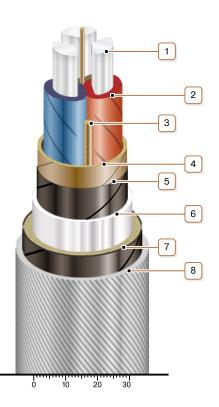




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CONSTRUCTION

- 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