7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830
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150602-061003000050

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

Power cables with aluminium conductors, with non-draining impregnated paper insulation, aluminium-sheathed, steel-tape armoured

Cables are used for laying:
- *without level difference limitation*
- *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 no tensile forces in operation*

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	6
Number and rated area of conductors	mm^2	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*	A	146
• *by burial*	A	149
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	850
Metal shaeth outer diameter (for reference only)	mm	26
Rated outer diameter of the cable (for reference) **	mm	34
Cable weight (approximate)	kg/km	1890
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16: 330 • 0.9 # 16a: 870 • 1.9

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 ± 10 %*

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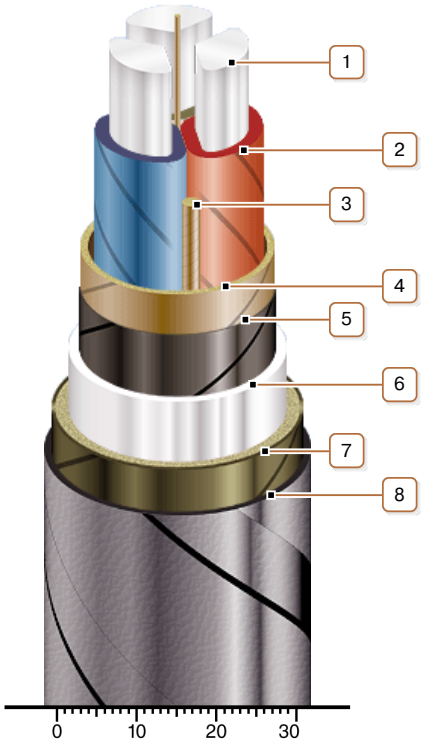
Power cables with aluminium conductors, with non-draining impregnated paper insulation, aluminium-sheathed, steel-tape armoured



CONSTRUCTION

1. *Aluminium conductor*
2. *Impregnated paper insulation*
3. *Cable paper bundle*
4. *Belt insulation*
5. *Conducting paper screen*
6. *Aluminium sheath*
7. *Plastic-tape and glass-tape bedding*
8. *Double galvanized steel-tape armour*

Note: Conductor twisting is not illustrated

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