YUZHCABLE
PRODUCTION GUIDE

151501-011004000035

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

ААП2л 4х35(ож)-1
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 soil (trenches) with medium corrosiveness, as well as with vagabond currents*
- *with a risk of mechanical damage and tensile forces in operation*

TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm^2	4 x 35
Insulation thikness between conductors	mm	1.5
Insulation thikness of conductor-sheath	mm	1.25
Sheath thikness	mm	1.2
Permissible continious current rating *		
• *by aerial laying*	A	110
• *by burial*	A	117
Operating temperature range	˚C	-50 ... +50
Minimum bending radius by laying	mm	950
Level difference along the laying rout, not more than	m	25
Metal shaeth outer diameter (for reference only)	mm	21
Rated outer diameter of the cable (for reference) **	mm	38
Cable weight (approximate)	kg/km	2650
Rated factory cable length and gross weight of the delivery on the drums	m, t	# 16a: 700 • 2.1

Notes:

When ordering it is neccesary 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*

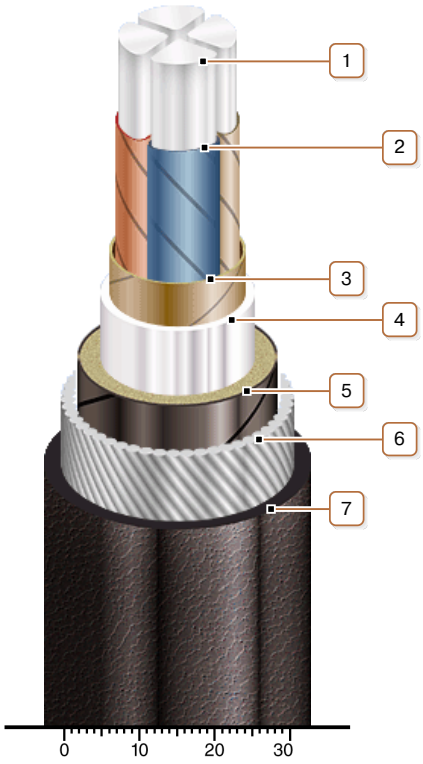
*** The external diameter may differ from the rated up to ± 10 %*

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

151501-011004000035

ААП2л 4х35(ож)-1
ТУ У 27.3-00214534-091:2017

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



CONSTRUCTION

1. *Aluminium conductor*
2. *Impregnated paper insulation*
3. *Belt insulation*
4. *Aluminium sheath*
5. *Double-layer plastic-tape bedding*
6. *Round galvanized steel-wire armour*
7. *Outer covering*

Note: Conductor twisting is not illustrated