YUZHCABLE
PRODUCTION GUIDE

153501-012004000070

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

# АСП2л 4х70-1
# ТУ У 27.3-00214534-091:2017

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

Cables are used for laying:
- *in soil (trenches) with high 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 70 |
| Insulation thikness between conductors | mm | 1.5 |
| Insulation thikness of conductor-sheath | mm | 1.25 |
| Sheath thikness | mm | 1.36 |
| Permissible continious current rating * | | |
| • *by aerial laying* | A | 167 |
| • *by burial* | A | 171 |
| Operating temperature range | ˚C | -50 ... +50 |
| Minimum bending radius by laying | mm | 705 |
| Level difference along the laying rout, not more than | m | 25 |
| Metal shaeth outer diameter (for reference only) | mm | 30 |
| Rated outer diameter of the cable (for reference) ** | mm | 47 |
| Cable weight (approximate) | kg/km | 4690 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 16a: 440 • 2.3<br># 18: 500 • 2.8 |

*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 %*

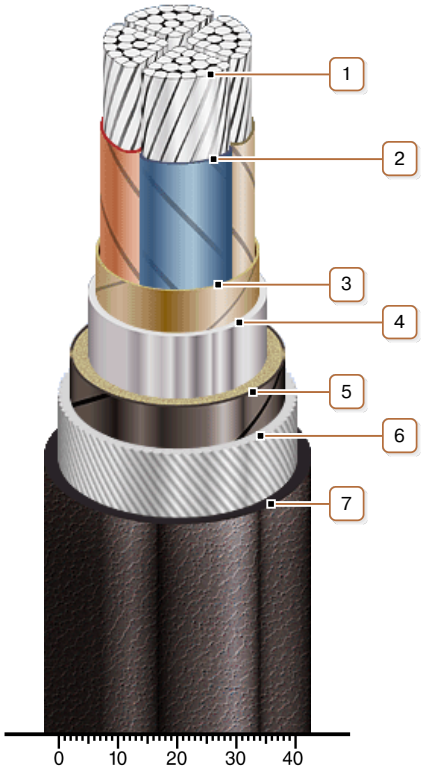
© 2024 PJSC Yuzhcable Works. © 2024 A. Kevorkyan

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

153501-012004000070

# АСП2л 4х70-1
# ТУ У 27.3-00214534-091:2017

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




## CONSTRUCTION

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

*Note: Conductor twisting is not illustrated*

© 2024 PJSC Yuzhcable Works. © 2024 A. Kevorkyan