153401-101003000035

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

# АСПл 3х35(ож)-10
# 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 medium corrosiveness, as well as with vagabond currents*
- *with a risk of mechanical damage and tensile forces in operation*

## TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| Rated voltage | kV | 10 |
| Number and rated area of conductors | $mm^2$ | 3 x 35 |
| Insulation thikness between conductors | mm | 5.5 |
| Insulation thikness of conductor-sheath | mm | 4 |
| Sheath thikness | mm | 1.32 |
| Permissible continious current rating * | | |
| • *by aerial laying* | A | 106 |
| • *by burial* | A | 110 |
| Operating temperature range | ˚C | -50 ... +50 |
| Minimum bending radius by laying | mm | 675 |
| Level difference along the laying rout, not more than | m | 15 |
| Metal shaeth outer diameter (for reference only) | mm | 28 |
| Rated outer diameter of the cable (for reference) ** | mm | 45 |
| Cable weight (approximate) | kg/km | 4330 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 16a: 480 • 2.3<br># 18: 550 • 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 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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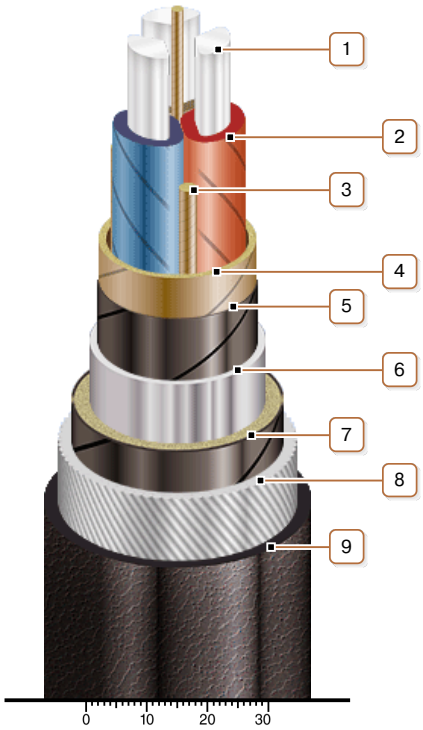


## CONSTRUCTION

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

*Note: Conductor twisting is not illustrated*

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