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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180123-150250100000

# АПвБбШв 5х25 (ож)-1
# ТУ У 31.3-00214534-048:2007

Power cables with aluminium conductors, XLPE-insulated, galvanized steel-tape armoured, with PVC-compound protection hose

Cables are used for laying:
- *single laying*
- *in premises, dry ducts and tunnels, in corrosive environment*
- *in places, where small mechanical impacts on cable are possible, including tensile forces*

Manufacturing of non-galvanized armoured cable, covered with a layer of bitumen and PET film is possible
Manufacturing of cable with PVC compound belt insulation is possible

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 | 1 |
| Number and rated area of conductors | $mm^2$ | 5 x 25 |
| Phase insulation thikness | mm | 0.9 |
| Permissible continious current rating (AC of industrial frequency) * | | |
| • *by aerial laying* | A | 100 |
| • *by burial* | A | 104 |
| Maximum permissible conductor temperature | | |
| • *Continious* | °C | +90 |
| • *in emergency operation* | °C | +130 |
| • *at short circuit* | °C | +250 |
| Operating temperature range | °C | -50 ... +50 |
| Minimum bending radius by laying | mm | 217.5 |
| Rated outer diameter of the cable (for reference) ** | mm | 29 |
| Cable weight (approximate) | kg/km | 1000 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 14: 700 • 0.9 |

*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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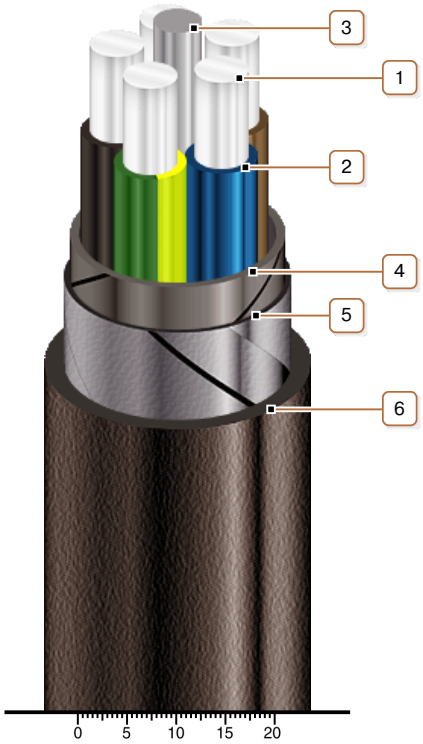


## CONSTRUCTION

1. *Aluminium conductor*
2. *XLPE insulation*
3. *PVC compound bundle*
4. *Tape core wrapping*
5. *Double galvanized steel-tape armour*
6. *Pressed PVC compound protection hose*

*Note: Conductor twisting is not illustrated*

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