



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

## ААБ2лШв 3х185-10 ТУ У 27.3-00214534-091:2017



Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed, steel-tape armoured, with PVC-compound protection hose

Cables are used for laying:

• in soil (trenches) with high corrosiveness without vagabond currents

• in dry premises (tunnels), ducts, cable cellars, mines, collectors, industrial and other premises, including damp, partially flooded premises, environment with medium and high corrosivenes

- · on technological trestles
- · in mines, non-hazardous as for gas and dust
- with a risk of mechanical damage and no tensile forces in operation

Fire safety code in accordance with ДСТУ 4809:2007: ПБ10000000

Products of this mark meet the requirements:

• single wire cable flame retardance

## **TECHNICAL SPECIFICATIONS**

| Rated voltage   | kV    | 10              |
|---|-------|-----------------|
| Number and rated area of conductors                         | mm²   | 3 x 185         |
| Insulation thikness between conductors                      | mm    | 5.5             |
| Insulation thikness of conductor-sheath                     | mm    | 4               |
| Sheath thikness   | mm    | 1.8             |
| Permissible continious current rating *                     |       |                 |
| • by aerial laying  | А     | 298             |
| • by burial   | А     | 275             |
| Operating temperature range                                 | °C    | -50 +50         |
| Minimum bending radius by laying                            | mm    | 1525            |
| Level difference along the laying rout, not more than       | m     | 15              |
| Metal shaeth outer diameter (for reference only)            | mm    | 49              |
| Rated outer diameter of the cable (for reference) **        | mm    | 61              |
| Cable weight (approximate)                                  | kg/km | 5600            |
| Rated factory cable length and gross weight of the delivery | m, t  | # 22: 500 · 3.6 |
| on the drums ***  |       |                 |

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  $\cdot$  m/W, laying depth in the soil 0.7 m

\*\* The external diameter may differ from the rated up to  $\pm$  10 %



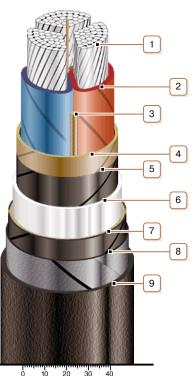


7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830 E-mail: market@yuzhcable.com.ua

## ААБ2лШв 3х185-10 ТУ У 27.3-00214534-091:2017



Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed, steel-tape armoured, with PVC-compound protection hose



10 20 30

## **CONSTRUCTION**

- 1. Aluminium multiwire compacted conductor
- 2. Impregnated paper insulation
- 3. Cable paper bundle
- 4. Belt insulation
- 5. Conducting paper screen
- 6. Aluminium sheath
- 7. Double-layer plastic-tape bedding
- 8. Double steel-tape armour
- 9. Pressed PVC compound protection hose

Note: Conductor twisting is not illustrated