



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

## ААБлГ 3х120(ож)-1 ТУ У 27.3-00214534-091:2017



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

#### Cables are used for laying:

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

- in fire-risk premises
- on technological trestles
- on special cable bridges
- on bridges

• with a risk of mechanical damage and no tensile forces in operation

Fire safety code in accordance with ΔCTY 4809:2007: ΠΕ10000000

Products of this mark meet the requirements:

• single wire cable flame retardance

#### **TECHNICAL SPECIFICATIONS**

| Deteductors   | 147   | 4                |
|---|-------|------------------|
| Rated voltage   | kV    |                  |
| Number and rated area of conductors                         | mm²   | 3 x 120          |
| Insulation thikness between conductors                      | mm    | 1.7              |
| Insulation thikness of conductor-sheath                     | mm    | 1.45             |
| Sheath thikness   | mm    | 1.35             |
| Permissible continious current rating *                     |       |                  |
| • by aerial laying  | А     | 261              |
| • by burial   | А     | 248              |
| Operating temperature range                                 | °C    | -50 +50          |
| Minimum bending radius by laying                            | mm    | 900              |
| Level difference along the laying rout, not more than       | m     | 25               |
| Metal shaeth outer diameter (for reference only)            | mm    | 29               |
| Rated outer diameter of the cable (for reference) **        | mm    | 36               |
| Cable weight (approximate)                                  | kg/km | 2380             |
| Rated factory cable length and gross weight of the delivery | m, t  | # 16a: 780 • 2.1 |
| 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 · m/W, laying depth in the soil 0.7 m

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

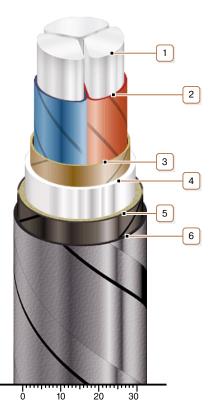




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### CONSTRUCTION

- 1. Aluminium conductor
- 2. Impregnated paper insulation
- 3. Belt insulation
- 4. Aluminium sheath
- 5. Single-layer plastic-tape bedding
- 6. Double galvanized steel-tape armour

Note: Conductor twisting is not illustrated