



## ЦААПЛГ 3x185-6 ТУ У 27.3-00214534-091:2017

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

Cables are used for laying:

- *without level difference limitation*
- *in dry premises (tunnels), ducts, cable cellars, mines, collectors, industrial and other premises, including damp, partially flooded premises, environment with medium and high corrosiveness*
- *in fire-risk premises*
- *on technological trestles*
- *on special cable bridges*
- *on bridges*
- *with a risk of mechanical damage and tensile forces in operation*

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              | 6                                  |
| Number and rated area of conductors  | mm <sup>2</sup> | 3 x 185                            |
| Insulation thickness between conductors                                      | mm              | 4                                  |
| Insulation thickness of conductor-sheath                                     | mm              | 2.95                               |
| Sheath thickness   | mm              | 1.75                               |
| Permissible continuous current rating *                                      |                 |                                    |
| • <i>by aerial laying</i>  | A               | 333                                |
| • <i>by burial</i>   | A               | 307                                |
| Operating temperature range  | °C              | -50 ... +50                        |
| Minimum bending radius by laying   | mm              | 1425                               |
| Metal sheath outer diameter (for reference only)                             | mm              | 45                                 |
| Rated outer diameter of the cable (for reference) **                         | mm              | 57                                 |
| Cable weight (approximate)   | kg/km           | 5780                               |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 20: 550 • 3.8<br># 22: 620 • 4.4 |

Notes:

When ordering it is necessary to agree the factory length of the product with the manufacturer

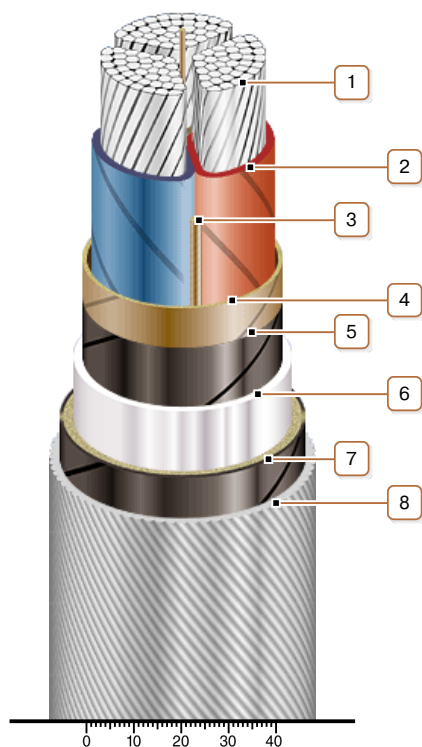
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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### CONSTRUCTION

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

*Note: Conductor twisting is not illustrated*