



## ЦААШнг 3х150-10 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with non-draining impregnated paper insulation, aluminium-sheathed, with low-flammable PVC-compound protection hose

Cables are used for laying:

- *without level difference limitation*
- *in soil (trenches) with high corrosiveness without vagabond currents*
- *in soil (trenches) with medium corrosiveness, as well as with 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 corrosiveness*
- *in fire-risk premises*
- *on bridges*
- *in mines, non-hazardous as for gas and dust*
- *with no risk of mechanical damage in operation*
- *in bunches*

Fire safety code in accordance with ДСТУ 4809:2007: ПБ120000000

Products of this mark meet the requirements:

- *single wire cable flame retardance*
- *bunched cable flame retardance category A*

### TECHNICAL SPECIFICATIONS

|                                                                              |                 |                                    |
|------------------------------------------------------------------------------|-----------------|------------------------------------|
| Rated voltage                                                                | kV              | 10                                 |
| Number and rated area of conductors                                          | mm <sup>2</sup> | 3 x 150                            |
| Insulation thickness between conductors                                      | mm              | 5.5                                |
| Insulation thickness of conductor-sheath                                     | mm              | 4                                  |
| Sheath thickness                                                             | mm              | 1.75                               |
| Permissible continuous current rating *                                      |                 |                                    |
| • <i>by aerial laying</i>                                                    | A               | 264                                |
| • <i>by burial</i>                                                           | A               | 246                                |
| Operating temperature range                                                  | °C              | -50 ... +50                        |
| Minimum bending radius by laying                                             | mm              | 1250                               |
| Metal sheath outer diameter (for reference only)                             | mm              | 44                                 |
| Rated outer diameter of the cable (for reference) **                         | mm              | 50                                 |
| Cable weight (approximate)                                                   | kg/km           | 3430                               |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 18: 460 • 2.0<br># 20: 740 • 3.2 |

Notes:

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

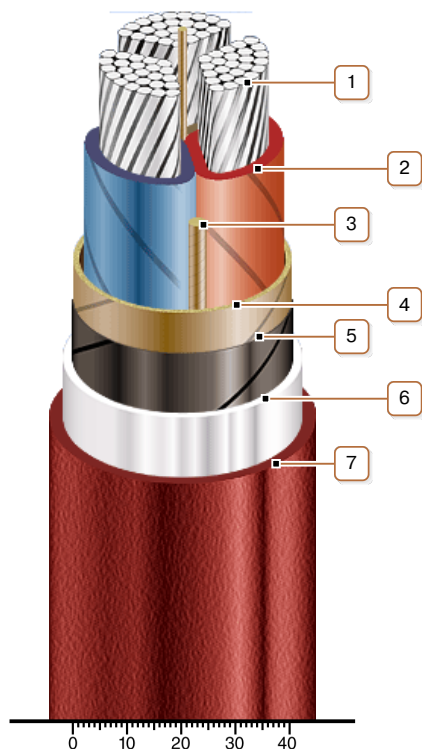
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

\*\* 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. Pressed off low-flammable PVC compound protection hose

*Note: Conductor twisting is not illustrated*