

## ААБнлШнг 3х150-1 ТУ У 27.3-00214534-091:2017

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

Cables are used for laying:

- *in fire-risk premises*
- *on technological trestles*
- *with a risk of mechanical damage and no tensile forces 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              | 1               |
| Number and rated area of conductors                                      | mm <sup>2</sup> | 3 x 150         |
| Insulation thickness between conductors                                  | mm              | 1.7             |
| Insulation thickness of conductor-sheath                                 | mm              | 1.45            |
| Sheath thickness   | mm              | 1.45            |
| Permissible continuous current rating *                                  |                 |                 |
| • <i>by aerial laying</i>  | A               | 300             |
| • <i>by burial</i>   | A               | 281             |
| Operating temperature range  | °C              | -50 ... +50     |
| Minimum bending radius by laying   | mm              | 1150            |
| Level difference along the laying rout, not more than                    | m               | 25              |
| Metal sheath outer diameter (for reference only)                         | mm              | 34              |
| Rated outer diameter of the cable (for reference) **                     | mm              | 46              |
| Cable weight (approximate)   | kg/km           | 3410            |
| Rated factory cable length and gross weight of the delivery on the drums | m, t            | # 18: 550 • 2.3 |

Notes:

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

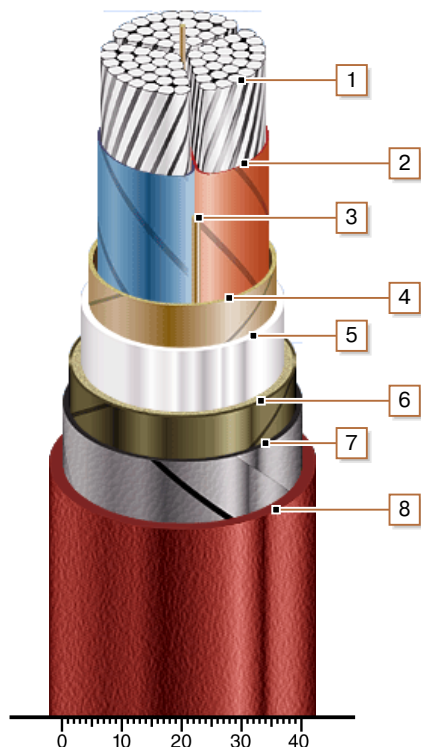
*\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m*

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



## ААБнлШнг 3х150-1 ТУ У 27.3-00214534-091:2017

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



### CONSTRUCTION

1. Aluminium multiwire compacted conductor
2. Impregnated paper insulation
3. Cable paper bundle
4. Belt insulation
5. Aluminium sheath
6. Plastic-tape and glass-tape bedding
7. Double galvanized steel-tape armour
8. Pressed off low-flammable PVC compound protection hose

Note: conductor twisting is not illustrated