

## ААП2лШнг 3х150+1х70-1 ТУ У 27.3-00214534-091:2017

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

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 corrosiveness
- in fire-risk premises
- on technological trestles
- with a risk of mechanical damage and 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

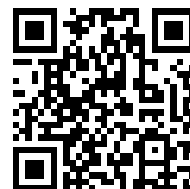
|                                                                              |                 |                                                       |
|------------------------------------------------------------------------------|-----------------|-------------------------------------------------------|
| Rated voltage                                                                | kV              | 1                                                     |
| Number and rated area of conductors                                          | mm <sup>2</sup> | 3 x 150 + 1 x 70                                      |
| Insulation thickness between conductors                                      | mm              | 1.7                                                   |
| Insulation thickness of conductor-sheath                                     | mm              | 1.45                                                  |
| Sheath thickness                                                             | mm              | 1.55                                                  |
| Permissible continuous current rating *                                      |                 |                                                       |
| • by aerial laying                                                           | A               | 300                                                   |
| • by burial                                                                  | A               | 281                                                   |
| Operating temperature range                                                  | °C              | -50 ... +50                                           |
| Minimum bending radius by laying                                             | mm              | 1450                                                  |
| Level difference along the laying rout, not more than                        | m               | 25                                                    |
| Metal sheath outer diameter (for reference only)                             | mm              | 40                                                    |
| Rated outer diameter of the cable (for reference) **                         | mm              | 58                                                    |
| Cable weight (approximate)                                                   | kg/km           | 5640                                                  |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 18: 340 • 2.4<br># 20: 550 • 3.7<br># 22: 620 • 4.3 |

Notes:

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

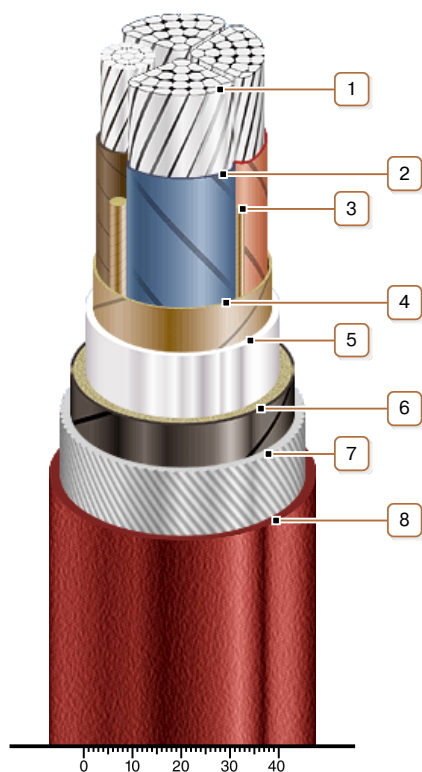
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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



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### CONSTRUCTION

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

*Note: Conductor twisting is not illustrated*