

## АСПлШнг 4х120-1 ТУ У 27.3-00214534-091:2017

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

Cables are used for laying:

- *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*
- *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

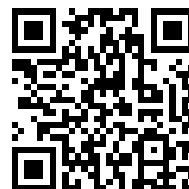
|                                                                              |                 |                                     |
|------------------------------------------------------------------------------|-----------------|-------------------------------------|
| Rated voltage                                                                | kV              | 1                                   |
| Number and rated area of conductors                                          | mm <sup>2</sup> | 4 x 120                             |
| Insulation thickness between conductors                                      | mm              | 1.7                                 |
| Insulation thickness of conductor-sheath                                     | mm              | 1.45                                |
| Sheath thickness                                                             | mm              | 1.46                                |
| Permissible continuous current rating *                                      |                 |                                     |
| • <i>by aerial laying</i>                                                    | A               | 243                                 |
| • <i>by burial</i>                                                           | A               | 231                                 |
| Operating temperature range                                                  | °C              | -50 ... +50                         |
| Minimum bending radius by laying                                             | mm              | 780                                 |
| Level difference along the laying rout, not more than                        | m               | 25                                  |
| Metal sheath outer diameter (for reference only)                             | mm              | 36                                  |
| Rated outer diameter of the cable (for reference) **                         | mm              | 52                                  |
| Cable weight (approximate)                                                   | kg/km           | 6900                                |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16a: 370 • 2.8<br># 18: 430 • 3.4 |

Notes:

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

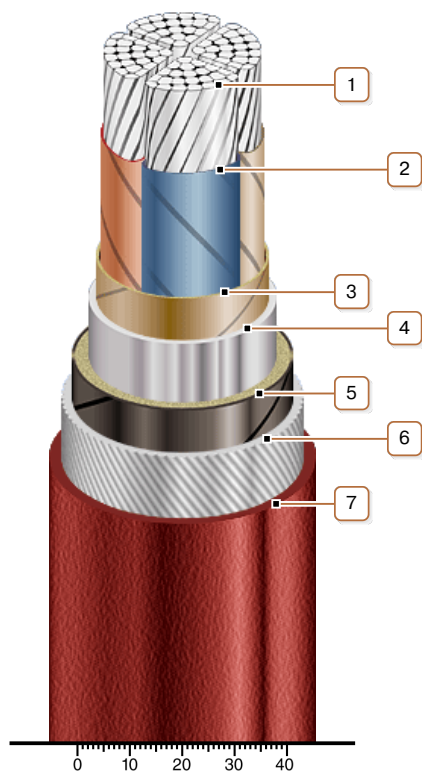
\* Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

\*\* 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. Belt insulation
4. Lead sheath
5. Single-layer plastic-tape bedding
6. Round galvanized steel-wire armour
7. Pressed off low-flammable PVC compound protection hose

*Note: Conductor twisting is not illustrated*