

**ААШнг 3х150+1х70-1**
ТУ У 27.3-00214534-091:2017

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

Cables are used for laying:

- *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

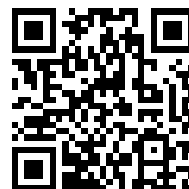
| | | |
|--|-----------------|------------------|
| Rated voltage | kV | 1 |
| Number and rated area of conductors | mm ² | 3 x 150 + 1 x 70 |
| Insulation thickness between conductors | mm | 1.7 |
| Insulation thickness of conductor-sheath | mm | 1.45 |
| Sheath thickness | mm | 1.55 |
| Permissible continuous current rating * | | |
| • <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 | 1175 |
| 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 | 47 |
| Cable weight (approximate) | kg/km | 2920 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 18: 500 • 1.9 |

Notes:

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

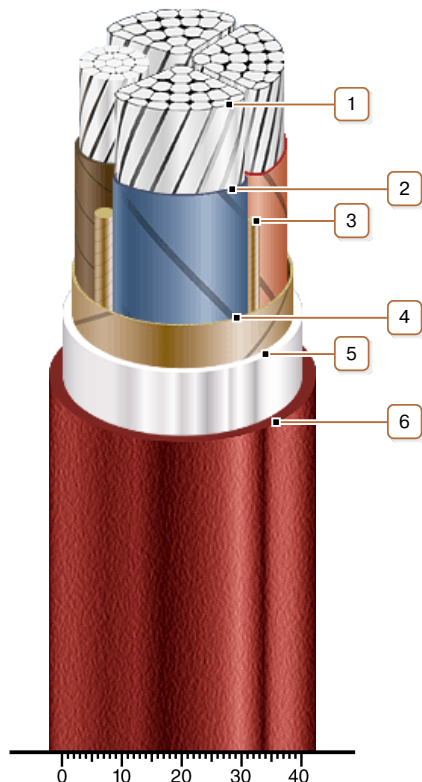
* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

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

Note: Conductor twisting is not illustrated