



## ААШп 3х70(ож)-10 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed, with polyethylene protection hose

Cables are used for laying:

- in soil (trenches) with high corrosiveness, as well as with vagabond currents
- with no risk of mechanical damage in operation

### TECHNICAL SPECIFICATIONS

|                                                       |                 |             |
|-------------------------------------------------------|-----------------|-------------|
| Rated voltage                                         | kV              | 10          |
| Number and rated area of conductors                   | mm <sup>2</sup> | 3 x 70      |
| Insulation thickness between conductors               | mm              | 5.5         |
| Insulation thickness of conductor-sheath              | mm              | 4           |
| Sheath thickness                                      | mm              | 1.45        |
| Permissible continious current rating *               |                 |             |
| • by aerial laying                                    | A               | 161         |
| • by burial                                           | A               | 162         |
| Operating temperature range                           | °C              | -50 ... +50 |
| Minimum bending radius by laying                      | mm              | 975         |
| Level difference along the laying rout, not more than | m               | 15          |
| Metal shaeth outer diameter (for reference only)      | mm              | 33          |
| Rated outer diameter of the cable (for reference) **  | mm              | 39          |
| Cable weight (approximate)                            | kg/km           | 1840        |

Notes:

When ordering it is neccesary 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 %

### CONSTRUCTION

1. Aluminium conductor
2. Impregnated paper insulation
3. Cable paper bundle
4. Belt insulation
5. Conducting paper screen
6. Aluminium sheath
7. Pressed off polyethylene protection hose

Note: Conductor twisting is not illustrated

