



**ААШп 3x120+1x70(ож)-1**  
**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              | 1                |
| Number and rated area of conductors                   | mm <sup>2</sup> | 3 x 120 + 1 x 70 |
| Insulation thickness between conductors               | mm              | 1.7              |
| Insulation thickness of conductor-sheath              | mm              | 1.45             |
| Sheath thickness                                      | mm              | 1.4              |
| Permissible continuous current rating *               |                 |                  |
| • by aerial laying                                    | A               | 261              |
| • by burial   | A               | 248              |
| Operating temperature range                           | °C              | -50 ... +50      |
| Minimum bending radius by laying                      | mm              | 950              |
| Level difference along the laying rout, not more than | m               | 25               |
| Metal sheath outer diameter (for reference only)      | mm              | 33               |
| Rated outer diameter of the cable (for reference) **  | mm              | 38               |
| Cable weight (approximate)                            | kg/km           | 2060             |

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 %

**CONSTRUCTION**

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

Note: Conductor twisting is not illustrated

