200303-351240000000

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# AAsXSn-35 1x240
# ТУ У 27.3-00214534-072:2013

Single-core self-supporting high-voltage flame-retardant wires with polymer compound insulation

Used for laying:
- *aerial electric power lines for the rated voltage from 10 kV till 35 kV*
- *in air, types II and III according to ГОСТ 15150-69, including on sea coasts, salt lakes, in industrial areas and areas of saline sands*

It is possible to manufacture the wire with longitudinal core sealing by water-blocking materials

Fire safety code in accordance with ДСТУ 4809:2007: ПБ100000000
Products of this mark meet the requirements:
- *single wire cable flame retardance*

## TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| Rated voltage | kV | 35 |
| Number and rated area of phase conductors | $mm^2$ | 1 x 240 |
| Phase insulation thikness | mm | 3.5 |
| Current ratings * | | |
| • *Continious* | A | 670 |
| • *at short circuit (not more than 1 s)* | kA | 20.6 |
| Maximum permissible conductor temperature | | |
| • *Continious* | °C | +90 |
| • *at short circuit (not more than 5 s)* | °C | +250 |
| Operating temperature range | °C | -60 ... +50 |
| Permissible temperature of laying (installation), no less than | °C | -20 |
| Minimum bending radius by laying | mm | 253 |
| Rated outer diameter of the cable (for reference) ** | mm | 25.3 |
| Weight (approximate) | kg/km | 880 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 16a: 1500 • 1.6<br># 18: 1710 • 2.0<br># 20: 2740 • 3.1 |

*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: ambient temperature plus 25 °C, wind speed 0.6 m/s, the intensity of solar radiation 1000 W/$m^2$*

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

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## CONSTRUCTION

*1. Multiwire aluminium-alloy compacted conductor*
*Note: It is possible to manufacture the wire with longitudinal core sealing by water-blocking materials*

*2. Flame-retardant polymer compound insulation*

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