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# AsXSn 4x120 TY Y 27.3-00214534-074:2013

### Self-supporting flame-retardant wires with polymer compound insulation

Used for laying:

- aerial electric power lines for the rated voltage of 0.6/1 kV
- branches to the inputs into dwellings and outbuildings

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

Fire safety code in accordance with ДСТУ 4809:2007: ПБ10000000

Products of this mark meet the requirements:

• single wire cable flame retardance

#### **TECHNICAL SPECIFICATIONS**

| Rated voltage  | kV    | 0.6 / 1          |
|--|-------|------------------|
| 5  |       | ,                |
| Number and rated area of phase conductors                      | mm²   | 4 x 120          |
| Phase insulation thikness                                      | mm    | 1.7              |
| Current ratings *  |       |                  |
| Continious   | А     | 340              |
| <ul> <li>at short circuit (not more than 1 s)</li> </ul>       | kA    | 10.9             |
| Maximum permissible conductor temperature                      |       |                  |
| Continious   | °C    | +90              |
| <ul> <li>at short circuit (not more than 5 s)</li> </ul>       | °C    | +250             |
| Operating temperature range                                    | °C    | -60 +50          |
| Permissible temperature of laying (installation), no less than | °C    | -20              |
| Minimum bending radius by laying                               | mm    | 390              |
| Rated outer diameter of the cable (for reference) **           | mm    | 39               |
| Weight (approximate)   | kg/km | 1570             |
| Rated factory cable length and gross weight of the delivery    | m, t  | # 16a: 630 • 1.2 |
| on the drums ***   |       | # 18: 720 • 1.6  |
|  |       | # 20: 1160 • 2.5 |
|  |       |                  |

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<sup>2</sup>

\*\* The external diameter may differ from the rated up to  $\pm$  10 %

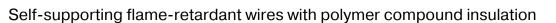






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## **CONSTRUCTION**

1. Aluminium multiwire compacted conductor Note: It is possible to manufacture the wire with longitudinal core sealing by water-blocking materials

#### 2. Flame-retardant polymer compound insulation

Note: Wire lay-up is not illustrated.

