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СИПн-3-20 1х185 ДСТУ 4743:2007, ТУ У 27.3-00214534-066:2013

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 ΓΟCT 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: ΠБ100000000

Products of this mark meet the requirements:

· single wire cable flame retardance

TECHNICAL SPECIFICATIONS

| Rated voltage | kV | 20 |
|--|-------|-------------------|
| Number and rated area of phase conductors | mm² | 1 x 185 |
| Phase insulation thikness | mm | 2.3 |
| Current ratings * | | |
| Continious | Α | 560 |
| at short circuit (not more than 1 s) | kA | 15.9 |
| 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 | 206 |
| Rated outer diameter of the cable (for reference) ** | mm | 20.6 |
| Weight (approximate) | kg/km | 630 |
| Rated factory cable length and gross weight of the delivery | m, t | # 16a: 2530 · 1.9 |
| on the drums *** | | # 18: 2890 • 2.3 |
| | | # 20: 4630 • 3.6 |

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/m2

^{**} The external diameter may differ from the rated up to \pm 10 %



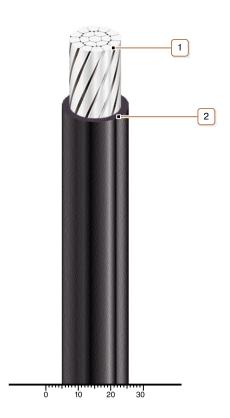




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CONSTRUCTION

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

2. Flame-retardant polymer compound insulation