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СИП-2 3x120+1x95+2x25 ДСТУ 4743:2007, ТУ У 27.3-00214534-066:2013

Self-supporting wires with light-stabilized cross-linked polyethylene insulation, with neutral carrier insulated conductor

Used for laying:

- trunks of aerial electric power lines and line branches for the rated voltage of 0.6/1 kV
- in air, types II and III according to FOCT 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

TECHNICAL SPECIFICATIONS

| Rated voltage | kV | 0.6 / 1 |
|--|-------|-----------------|
| Number and rated area of phase conductors | mm² | 3 x 120 |
| Number and rated area of additional conductors for light | mm² | 2 x 25 |
| circuits | | |
| Carrier neutral conductor rated area | mm² | 95 |
| Phase insulation thikness | mm | 1.7 |
| Current ratings * | | |
| Continious | Α | 340 |
| at short circuit (not more than 1 s) | kA | 10.9 |
| 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 | 477 |
| Rated outer diameter of the cable (for reference) ** | mm | 47.7 |
| Weight (approximate) | kg/km | 1700 |
| Rated factory cable length and gross weight of the delivery | m, t | # 18: 500 • 1.3 |
| on the drums *** | | # 20: 800 • 2.0 |
| | | |

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. Aluminium multiwire compacted conductor

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

- 2. Multiwire compacted aluminium assisting conductor for light circuits
- 3. Multiwire aluminium-alloy compacted supporting conductor
 Note: It is possible to manufacture the wire with longitudinal core sealing by water-blocking
- 4. Light-stabilized cross-linked polyethylene insulation

Note: Wire lay-up is not illustrated.