

## СИП-1 3x70+1x95+2x16 ДСТУ 4743:2007, ТУ У 27.3-00214534-066:2013

Self-supporting wires with light-stabilized cross-linked polyethylene insulation, with neutral carrier non-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 I and II according to ГОСТ 15150-69*

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

### TECHNICAL SPECIFICATIONS

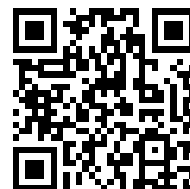
|  |                 |   |
|--|-----------------|---|
| Rated voltage  | kV              | 0.6 / 1   |
| Number and rated area of phase conductors                                    | mm <sup>2</sup> | 3 x 70  |
| Number and rated area of additional conductors for light circuits            | mm <sup>2</sup> | 2 x 16  |
| Carrier neutral conductor rated area   | mm <sup>2</sup> | 95  |
| Phase insulation thickness   | mm              | 1.5   |
| Current ratings *  |                 |   |
| • <i>Continuous</i>  | A               | 240   |
| • <i>at short circuit (not more than 1 s)</i>                                | kA              | 6.5   |
| Maximum permissible conductor temperature                                    |                 |   |
| • <i>Continuous</i>  | °C              | +90   |
| • <i>at short circuit (not more than 5 s)</i>                                | °C              | +250  |
| Operating temperature range  | °C              | -60 ... +50   |
| Permissible temperature of laying (installation), no less than               | °C              | -20   |
| Minimum bending radius by laying   | mm              | 372   |
| Rated outer diameter of the cable (for reference) **                         | mm              | 37.2  |
| Weight (approximate)   | kg/km           | 1110  |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16a: 700 • 1.0<br># 18: 800 • 1.3<br># 20: 1280 • 2.1 |

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: 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 ± 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

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

#### 3. Multiwire aluminium-alloy compacted supporting conductor

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

#### 4. Light-stabilized cross-linked polyethylene insulation

*Note: Wire lay-up is not illustrated.*

