7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830
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200203-013070125700

# СІП-2 3х70+1х70+1х25
# 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 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

## TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| Rated voltage | kV | 0.6 / 1 |
| Number and rated area of phase conductors | $mm^2$ | 3 x 70 |
| Number and rated area of additional conductors for light circuits | $mm^2$ | 1 x 25 |
| Carrier neutral conductor rated area | $mm^2$ | 70 |
| Phase insulation thikness | mm | 1.5 |
| Current ratings * | | |
| • *Continious* | A | 240 |
| • *at short circuit (not more than 1 s)* | kA | 6.5 |
| 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 | 386 |
| Rated outer diameter of the cable (for reference) ** | mm | 38.6 |
| Weight (approximate) | kg/km | 1040 |
| 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 • 2.0 |

*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 $W/m^2$*

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

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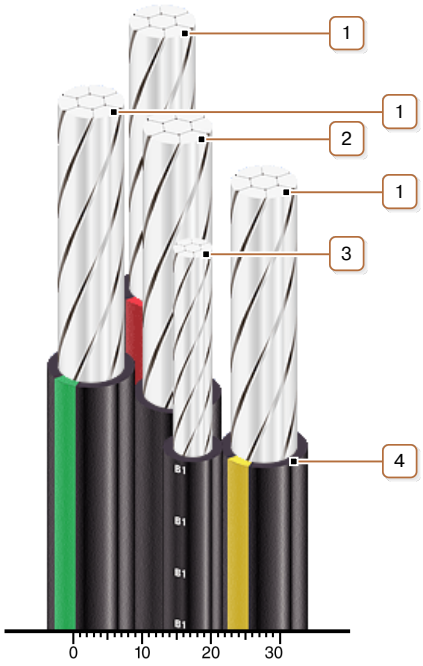
Self-supporting wires with light-stabilized cross-linked polyethylene insulation, with neutral carrier insulated conductor




## CONSTRUCTION

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

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

*3. Multiwire compacted aluminium assisting conductor for light circuits*

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

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

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