153801-102003000120

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# СГ 3х120-10
# ТУ У 27.3-00214534-091:2017

Power cables with copper conductors, with impregnated paper insulation, lead-sheathed

Cables are used for laying:
- *in blocks*
- *with no risk of mechanical damage in operation*

Fire safety code in accordance with ДСТУ 4809:2007: ПБ100000000
Products of this mark meet the requirements:
- *single wire cable flame retardance*

## TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| Rated voltage | kV | 10 |
| Number and rated area of conductors | $mm^2$ | 3 x 120 |
| Insulation thikness between conductors | mm | 5.5 |
| Insulation thikness of conductor-sheath | mm | 4 |
| Sheath thikness | mm | 2.11 |
| Permissible continious current rating * | | |
| • *by aerial laying* | A | 305 |
| • *by burial* | A | 284 |
| Operating temperature range | ˚C | -50 ... +50 |
| Minimum bending radius by laying | mm | 645 |
| Level difference along the laying rout, not more than | m | 15 |
| Metal shaeth outer diameter (for reference only) | mm | 41 |
| Rated outer diameter of the cable (for reference) ** | mm | 43 |
| Cable weight (approximate) | kg/km | 7070 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 16a: 520 • 3.9<br># 18: 600 • 4.7 |

*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: air temperature plus 25 ˚C, soil temperature plus 15 ˚C, thermal resistivity of soil 1.2 ˚K•m/W, laying depth in the soil 0.7 m*

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

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YUZHCABLE
PRODUCTION GUIDE

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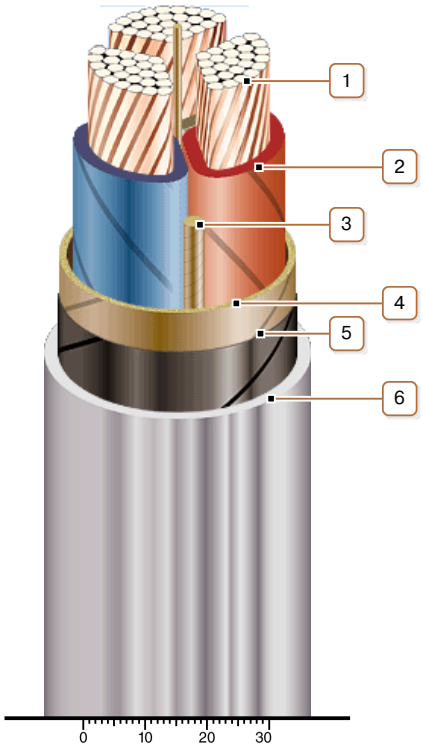


## CONSTRUCTION

1. *Copper multiwire compact conductor*
2. *Impregnated paper insulation*
3. *Cable paper bundle*
4. *Belt insulation*
5. *Conducting paper screen*
6. *Lead sheath*

*Note: Conductor twisting is not illustrated*

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