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ААПлГ 3х185-10 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed, steel-wire armoured

Cables are used for laying:

- in dry premises (tunnels), ducts, cable cellars, mines, collectors, industrial and other premises, including damp, partially flooded premises, environment with medium and high corrosivenes
- in fire-risk premises
- · on technological trestles
- · on special cable bridges
- · on bridges
- · with a risk of mechanical damage and tensile forces in operation

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 | 10 |
|--|-------|-----------------|
| Number and rated area of conductors | mm² | 3 x 185 |
| Insulation thikness between conductors | mm | 5.5 |
| Insulation thikness of conductor-sheath | mm | 4 |
| Sheath thikness | mm | 1.8 |
| Permissible continious current rating * | | |
| • by aerial laying | Α | 298 |
| • by burial | Α | 275 |
| Operating temperature range | °C | -50 +50 |
| Minimum bending radius by laying | mm | 1525 |
| Level difference along the laying rout, not more than | m | 15 |
| Metal shaeth outer diameter (for reference only) | mm | 49 |
| Rated outer diameter of the cable (for reference) ** | mm | 61 |
| Cable weight (approximate) | kg/km | 6530 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 22: 500 • 4.1 |

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: 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 \pm 10 %



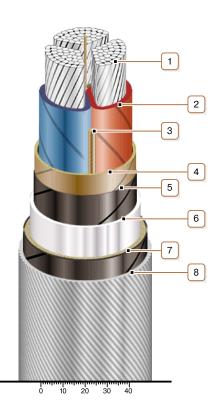




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CONSTRUCTION

- 1. Aluminium multiwire compacted conductor
- 2. Impregnated paper insulation
- 3. Cable paper bundle
- 4. Belt insulation
- 5. Conducting paper screen
- 6. Aluminium sheath
- 7. Single-layer plastic-tape bedding
- 8. Round galvanized steel-wire armour

Note: Conductor twisting is not illustrated