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<mark>ЦАСБ</mark>вШнгд 3х120(ож)-6 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with non-draining impregnated paper insulation, lead-sheathed, steel-tape armoured, with low-flammable PVC-compound protection hose

Cables are used for laying:

without level difference limitation

• 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 special cable bridges

• with a risk of mechanical damage and no tensile forces in operation

• at sites, where low smoke and gas emission are required in the process of combustion and smouldering: NPP, electrical generating stations, subway, high-rise buildings, large industrial facilities and etc.

Fire safety code in accordance with ДСТУ 4809:2007: ПБ123121000

Products of this mark meet the requirements:

- single wire cable flame retardance
- bunched cable flame retardance category A

• toxicity class Tk3 of the combustion products of nonmetallic elements (toxicity index over 120 g/m³)

• class $\protect\ensuremath{\mathcal{I}}\ensuremath{\kappa}\ensuremath{1}$ on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m²/kg)

• class ДΠκ2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)

• corrosive class K κ 1 of combustion products of non-metallic elements (the number of halogen hydrides less than 150 mg/g, pH less than 4.3, specific conductivity more than 10 μ S/mm)





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TECHNICAL SPECIFICATIONS

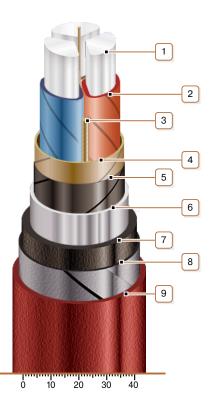
| Rated voltage | kV | 6 |
|---|-------|------------------|
| Number and rated area of conductors | mm² | 3 x 120 |
| Insulation thikness between conductors | mm | 4 |
| Insulation thikness of conductor-sheath | mm | 2.95 |
| Sheath thikness | mm | 1.42 |
| Permissible continious current rating * | | |
| • by aerial laying | А | 248 |
| • by burial | А | 243 |
| Operating temperature range | °C | -50 +50 |
| Minimum bending radius by laying | mm | 720 |
| Metal shaeth outer diameter (for reference only) | mm | 34 |
| Rated outer diameter of the cable (for reference) ** | mm | 48 |
| Cable weight (approximate) | kg/km | 5140 |
| Rated factory cable length and gross weight of the delivery | m, t | # 16a: 440 • 2.5 |
| on the drums *** | | # 18: 500 • 3.0 |
| 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: 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 %



CONSTRUCTION

- 1. Aluminium conductor
- 2. Impregnated paper insulation
- 3. Cable paper bundle
- 4. Belt insulation
- 5. Conducting paper screen
- 6. Lead sheath
- 7. Bedding with PVC compound moulded-in hose
- 8. Double galvanized steel-tape armour
- 9. Pressed off low fire-risk PVC compound protection hose

Note: Conductor twisting is not illustrated