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## ЦСБвШнгд 3х240-6 ТУ У 27.3-00214534-091:2017



Power cables with copper 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/m<sup>3</sup>)

• class  $\[mu]T\kappa 1$  on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m<sup>2</sup>/kg)

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

• corrosive class K $\kappa$ 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  $\mu$ S/mm)





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## **TECHNICAL SPECIFICATIONS**

| Rated voltage   | kV    | 6               |
|---|-------|-----------------|
| Number and rated area of conductors                         | mm²   | 3 x 240         |
| Insulation thikness between conductors                      | mm    | 4               |
| Insulation thikness of conductor-sheath                     | mm    | 2.95            |
| Sheath thikness   | mm    | 1.66            |
| Permissible continious current rating *                     |       |                 |
| • by aerial laying  | А     | 512             |
| • by burial   | А     | 448             |
| Operating temperature range                                 | °C    | -50 +50         |
| Minimum bending radius by laying                            | mm    | 915             |
| Metal shaeth outer diameter (for reference only)            | mm    | 48              |
| Rated outer diameter of the cable (for reference) **        | mm    | 61              |
| Cable weight (approximate)                                  | kg/km | 13020           |
| Rated factory cable length and gross weight of the delivery | m, t  | # 18: 270 • 4.0 |
| on the drums ***  |       |                 |

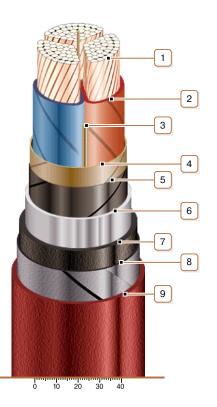
Notes:

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. Copper multiwire compact 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