



7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830 E-mail: market@yuzhcable.com.ua

КПоПЭнг-HF 10x6 ТУ У 27.3-00214534-084:2016

Control cables with copper conductors, with insulation made of halogen-free cross-linked polymer composition, sheathed with halogen-free polymer composition, with collective screen

For the cable of this mark correspond the foreign-made analogues: КПоПЭнг-HF (RU) Used:

• for transmission of electrical signals, and distribution of electric energy in stationary electrical equipment for alternating voltages up to 660 V frequency up to 100 Hz, and DC voltage up to 1000 V, inside and outside the hermetic zone of nuclear power stations (NPS)

• for multi-cable installation (acc. GOST 31565:2012) in cable channels and premises of internal electrical installations

• for use in systems having security class 3 (B), 3 (C) and 4 according to the classification of H $\Pi$  306.2.141-2008 and H $\Pi$  306.2.202-2015

Fire safety code in accordance with ДСТУ 4809:2007: ПБ123122000 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 ДПк2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)

• corrosive class Kk2 of combustion products of non-metallic elements (the number of halogen hydrides less than 150 mg/g, pH more than 4.3, specific conductivity less than 10  $\mu$ S/mm)





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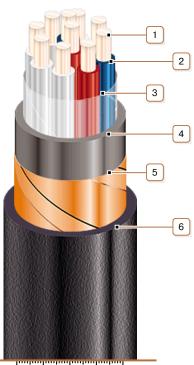
## **TECHNICAL SPECIFICATIONS**

| Rated AC voltage of no more than 100 Hz       | V               | 660     |  |
|---|-----------------|---------|--|
| Rated DC voltage                              | V               | 1000    |  |
| Number and rated diameter of conductors       | mm <sup>2</sup> | 10 x 6  |  |
| Operating temperature range                   | °C              | -50 +60 |  |
| Permissible continious conductors temperature | °C              | +90     |  |
| Minimum bending radius by laying              | mm              | 159     |  |
| Cable outer diameter (for reference only) **  | mm              | 26.4    |  |
| Cable weight (approximate)                    | kg/km           | 1120    |  |
| Notes:  |                 |         |  |

Notes:

When ordering it is neccesary to agree the factory length of the product with the manufacturer

\*\* The external diameter may differ from the rated up to  $\pm$  10 %



### 0 5 10 15 20

# CONSTRUCTION

- 1. Copper conductor
- 2. Insulation of cross-linked halogen-free polymer composition or cross-linked polyethylene
- 3. Wrapping the core with polyethylene terephthalate film
- 4. Halogen-free polymer compound inner sheath
- 5. Collective screen of copper tapes
- 6. Outer sheath of flame-retardant halogen-free polymer composition