



## **КПоПЭнг-НФ 4х1.5** **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-НФ (RU)

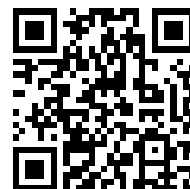
Used:

- *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 НП 306.2.141-2008 and НП 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 ДТк1 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 Кк2 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 μS/mm)*



## КПоПЭнг-НГ 4x1.5 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

### 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> | 4 x 1.5     |
| Operating temperature range                   | °C              | -50 ... +60 |
| Permissible continuous conductors temperature | °C              | +90         |
| Minimum bending radius by laying              | mm              | 92          |
| Cable outer diameter (for reference only) **  | mm              | 15.2        |
| Cable weight (approximate)                    | kg/km           | 337         |

Notes:

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

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

### 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

