



## ППЗнг-НГ 1 x 70 ТУ У 31.3-00214534-056:2006

Installation wires with copper conductors, flame-retardant halogen-free polymer compound insulation

Used for:

- *fixed laying in lighting and power circuits and also for electric equipment, machines, mechanisms and machine tools installation for rated voltage up to 450 V (for networks up to 450/750), frequency up to 100 Hz or constant voltage of 1000 V*
- *electric subcircuits installation, where wire-bending are possible*

Manufacturing of wires in climate version F and T is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ142122000

Products of this mark meet the requirements:

- *single wire cable flame retardance*
- *bunched cable flame retardance category C*
- *toxicity class Tk2 of the combustion products of nonmetallic elements (toxicity index from 40 up to 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)*

### TECHNICAL SPECIFICATIONS

|                                                                              |                 |                                     |
|------------------------------------------------------------------------------|-----------------|-------------------------------------|
| Rated voltage                                                                | kV              | 0.45                                |
| Number and rated area of conductors                                          | mm <sup>2</sup> | 1 x 70                              |
| Insulation thickness                                                         | mm              | 1.4                                 |
| Operating temperature range                                                  | °C              | -30 ... +50                         |
| Flexibility class acc. to ГОСТ 22483-77                                      |                 | 3                                   |
| Minimum bending radius by laying                                             | mm              | 82                                  |
| Outer diameter (nominal, for reference only)                                 | mm              | 16.4                                |
| Outer diameter (maximum, for reference only)                                 | mm              | 17                                  |
| Weight (approximate)                                                         | kg/km           | 712                                 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 10: 930 • 0.7<br># 12: 1280 • 1.0 |

Notes:

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



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### CONSTRUCTION

1. Copper multiwire conductor
2. Halogen-free polymer compound insulation

