



## **ПВ1нгд 1 x 70 ТУ У 31.3-00214534-056:2006**

Installation wires with copper conductors, low fire-risk PVC 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*
- *for laying in steel pipes, hollow ducts of building structures, on trays, etc.*

Manufacturing of wires in climate version F and T is possible

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

Products of this mark meet the requirements:

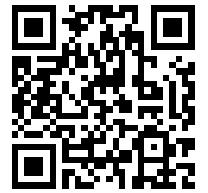
- *single wire cable flame retardance*
- *bunched cable flame retardance category A*
- *toxicity class Tk3 of the combustion products of nonmetallic elements (toxicity index over 120 g/m<sup>3</sup>)*
- *class ДТк1 on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke 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 Kk1 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 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              | -40 ... +50 |
| Flexibility class acc. to ГОСТ 22483-77      |                 | 2           |
| Minimum bending radius by laying             | mm              | 128         |
| Outer diameter (nominal, for reference only) | mm              | 12.8        |
| Outer diameter (maximum, for reference only) | mm              | 15          |
| Weight (approximate)                         | kg/km           | 684         |

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. *Low fire-risk PVC compound insulation*

