

**ПВ1нгд 1 x 1**  
**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: ПБ142121000

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 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 1
Insulation thickness	mm	0.6
Operating temperature range	°C	-40 ... +50
Flexibility class acc. to ГОСТ 22483-77		1
Minimum bending radius by laying	mm	23
Outer diameter (nominal, for reference only)	mm	2.3
Outer diameter (maximum, for reference only)	mm	3.3
Weight (approximate)	kg/km	14

Notes:

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



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**CONSTRUCTION**

1. *Copper conductor*
2. *Low fire-risk PVC compound insulation*

