



## **КВВГнгд-FR 7x2.5 ТУ У 31.3-00214534-055:2006**

Control flame-retardant flame-resistant cables with copper conductors, low fire-risk PVC compound insulation, PVC compound sheath, low smoke and gas emission

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Cables are used for laying:

- *in premises, dry ducts and tunnels, in corrosive environment*
  - *with no risk of mechanical damage in operation*
  - *in bunches, in crowded places*
  - *power supply cable lines of NPP safety system equipment, circuits wiring of fire safety systems (fire alarm circuits, power supply of fire-fighting pumps, lightning of emergency exits and evacuation routes, smoke exhaust and blowing ventilation systems, evacuation elevators); for wiring in hospital surgical wings, emergency and equipment (current collectors) power supply circuits, operating in a fire emergency*
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Manufacturing of extruded fire-resistant barrier is possible

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Fire safety code in accordance with ДСТУ 4809:2007: ПБ123121080

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 Кк1 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)*
- *flame-resistant class FE180 under fire conditions with a temperature not less than 750 °C*



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### **TECHNICAL SPECIFICATIONS**

|  |                 |                  |
|--|-----------------|------------------|
| Rated voltage (AC / DC)  | V               | 660 / 1000       |
| Number and rated area of conductors  | mm <sup>2</sup> | 7 x 2.5          |
| Minimum bending radius by laying   | mm              | 102              |
| Cable outer diameter (for reference only) **                                 | mm              | 17               |
| Cable weight (approximate)   | kg/km           | 470              |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 12: 1130 • 0.6 |

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 ± 10 %

### **CONSTRUCTION**

1. Copper conductor
2. Fire-resistant barrier
3. Low fire-risk PVC compound insulation
4. PET film winding
5. Low fire-risk PVC compound outer sheath

Note: Conductor twisting is not illustrated

