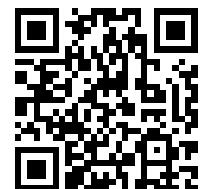




220204-270000000150



## **КВВГЕнГд-ФР 27x1.5 ТУ У 31.3-00214534-055:2006**

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

Cables are used for laying:

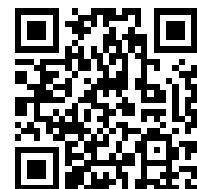
- *in premises, dry ducts and tunnels, in corrosive environment*
- *with no risk of mechanical damage in operation*
- *in bunches, in crowded places*
- *power supply cable lines of NPP safety system equipment, circuits wiring of fire safety systems (fire alarm circuits, power supply of fire-fighting 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*
- *with the need to protect from the effects of external electric fields*

Manufacturing of extruded fire-resistant barrier is possible

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 Kк1 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*



**КВВГЕнГД-FR 27x1.5**  
**ТУ У 31.3-00214534-055:2006**

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

**TECHNICAL SPECIFICATIONS**

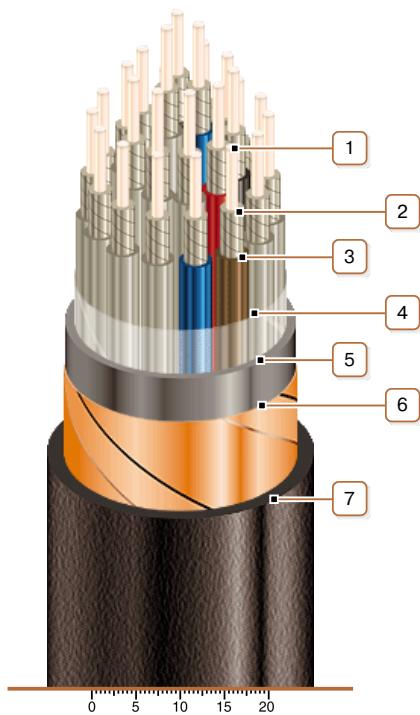
|  |                 |                                     |
|--|-----------------|-------------------------------------|
| Rated voltage (AC / DC)  | V               | 660 / 1000                          |
| Number and rated area of conductors  | mm <sup>2</sup> | 27 x 1.5                            |
| Minimum bending radius by laying   | mm              | 198                                 |
| Cable outer diameter (for reference only) **                                 | mm              | 33                                  |
| Cable weight (approximate)   | kg/km           | 1610                                |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 14: 540 • 1.1<br># 16a: 870 • 1.7 |

*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**

*Note: Manufacturing of extruded fire-resistant barrier is possible*

**3. Low fire-risk PVC compound insulation**

**4. PET film winding**

**5. Low fire-risk PVC-compound inner sheath**

**6. Copper screen**

**7. Low fire-risk PVC compound outer sheath**

*Note: Conductor twisting is not illustrated*