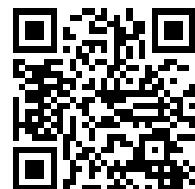




220204-190000000250



## **КВВГЕнГд-FR 19x2.5** **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:

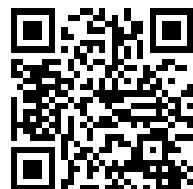
- *in premises, dry ducts and tunnels, in corrosive environment*
- *with no risk of mechanical damage in operation*
- *in bunches, in crowded places*
- *power supply cable lines of NPP safety system equipment, circuits wiring of fire safety systems (fire alarm circuits, power supply of fire-fighting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



## КВБГЕнГд-ФР 19x2.5 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

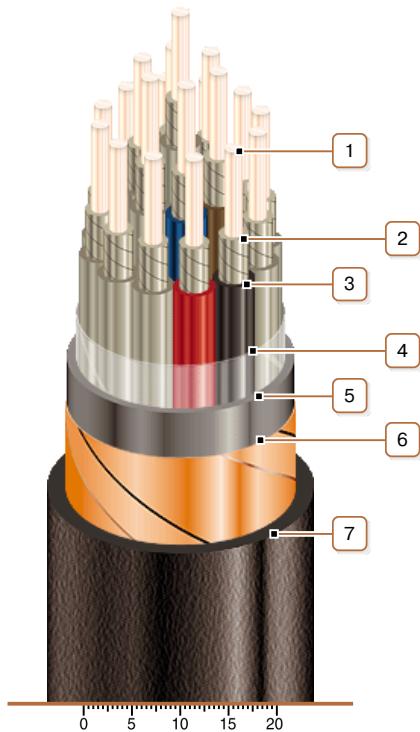
Rated voltage (AC / DC)	V	660 / 1000
Number and rated area of conductors	mm <sup>2</sup>	19 x 2.5
Minimum bending radius by laying	mm	180
Cable outer diameter (for reference only) **	mm	30
Cable weight (approximate)	kg/km	1470
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 14: 700 • 1.2 # 16a: 1120 • 1.9

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