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### КПвПГЭнг-HF 52x1 ТУ У 31.3-00214534-069:2011



Control screened halogen-free cables with copper conductors, XLPE, polymer compound sheath

Cables are used for laying:

- in premises, dry ducts and tunnels, in corrosive environment
- with no risk of mechanical damage in operation
- in bunches

• power supply cable lines of NPP electric equipment, wiring in office premises, which are computerized and intelligent, in kindergartens, schools, hospitals and for cable lines of spectating complexes and sport structures

• with the need to protect from the effects of external electric fields

Fire safety code in accordance with ДСТУ 4809:2007: ΠБ123122000

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  $\[mu]T\kappa 1$  on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m<sup>2</sup>/kg)
- class ДΠκ2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)

• corrosive class Kk2 of combustion products of non-metallic elements (the number of halogen hydrides less than 150 mg/g, pH more than 4.3, specific conductivity less than 10  $\mu$ S/mm)





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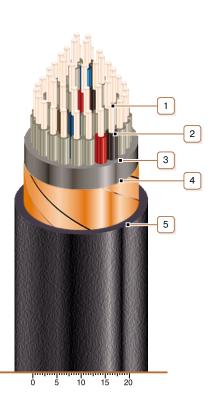
## **TECHNICAL SPECIFICATIONS**

Rated voltage (AC / DC)	V	660 / 1000
Number and rated area of conductors	mm²	52 x 1
Minimum bending radius by laying	mm	168
Cable outer diameter (for reference only) **	mm	28
Cable weight (approximate)	kg/km	1140
Rated factory cable length and gross weight of the delivery	m, t	# 14: 800 • 1.1
on the drums ***		

Notes:

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

\*\* The external diameter may differ from the rated up to  $\pm$  10 %



# CONSTRUCTION

- 1. Copper conductor
- 2. XLPE insulation
- 3. Halogen-free polymer compound inner sheath
- 4. Copper screen
- 5. Polymer compound outer sheath:flame-retardant and halogen-free

Note: Conductor twisting is not illustrated