7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830
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180141-110100100000

ППГнг-HF 1x10-1
ТУ У 31.3-00214534-069:2012

Power cables with copper conductors, with halogen-free polymer compound insulation, with polymer compound outer sheath, flame-retardant, halogen-free

Cables are used for laying:
• *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*

Fire safety code in accordance with ДСТУ 4809:2007: ПБ123122000
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^3)*
• *class ДТк1 on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m^2/kg)*
• *class ДПк2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)*
• *corrosive class Кк2 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 µS/mm)*

TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm^2	1 x 10
Phase insulation thikness	mm	1
Permissible continious current rating (AC of industrial frequency) *		
• *by aerial laying*	A	68
Permissible continious current rating (DC) *		
• *by aerial laying*	A	86
Maximum permissible conductor temperature		
• *Continious*	°C	+70
• *in emergency operation*	°C	+90
• *at short circuit*	°C	+160
Operating temperature range	°C	-50 … +50
Minimum bending radius by laying	mm	130
Rated outer diameter of the cable (for reference) **	mm	13
Cable weight (approximate)	kg/km	240
Rated factory cable length and gross weight of the delivery on the drums	m, t	# 10: 1410 • 0.4

Notes:
When ordering it is neccesary to agree the factory length of the product with the manufacturer
** Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K•m/W, laying depth in the soil 0.7 m*
*** The external diameter may differ from the rated up to ± 10 %*

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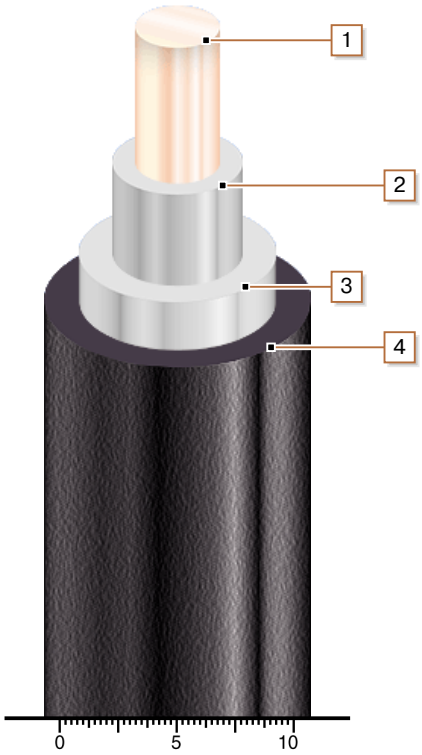

CONSTRUCTION

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

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