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ААБнлШнгд 3х150(ож)-10 ТУ У 27.3-00214534-091:2017



Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed, steel-tape armoured, with low-flammable PVC-compound protection hose

Cables are used for laying:

- in fire-risk premises
- on technological trestles
- with a risk of mechanical damage and no tensile forces in operation

• at sites, where low smoke and gas emission are required in the process of combustion and smouldering: NPP, electrical generating stations, subway, high-rise buildings, large industrial facilities and etc.

Fire safety code in accordance with ДСТУ 4809:2007: ΠΕ123121000 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 $\[mu]T\kappa 1$ on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m²/kg)

• class ДПк2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)

• corrosive class K κ 1 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 μ S/mm)

TECHNICAL SPECIFICATIONS

Rated voltage	kV	10
Number and rated area of conductors	mm²	3 x 150
Insulation thikness between conductors	mm	5.5
Insulation thikness of conductor-sheath	mm	4
Sheath thikness	mm	1.65
Permissible continious current rating *		
• by aerial laying	А	264
• by burial	А	246
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	1350
Level difference along the laying rout, not more than	m	15
Metal shaeth outer diameter (for reference only)	mm	41
Rated outer diameter of the cable (for reference) **	mm	54
Cable weight (approximate)	kg/km	4540
Rated factory cable length and gross weight of the delivery	m, t	# 18: 400 • 2.3
on the drums ***		# 20: 630 • 3.5
		# 22: 720 • 4.1
Nataa		

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 $^{\rm K}{\scriptstyle \cdot}$ m/W, laying depth in the soil 0.7 m

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

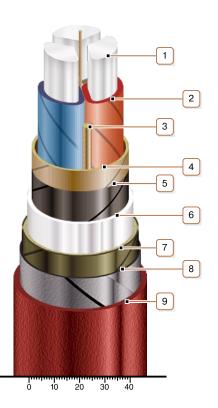




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CONSTRUCTION

- 1. Aluminium conductor
- 2. Impregnated paper insulation
- 3. Cable paper bundle
- 4. Belt insulation
- 5. Conducting paper screen
- 6. Aluminium sheath
- 7. Plastic-tape and glass-tape bedding
- 8. Double galvanized steel-tape armour
- 9. Pressed off low fire-risk PVC compound protection hose

Note: Conductor twisting is not illustrated