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АСБвШнгд 3х185-1 ТУ У 27.3-00214534-091:2017



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

Cables are used for laying:

• in dry premises (tunnels), ducts, cable cellars, mines, collectors, industrial and other premises, including damp, partially flooded premises, environment with medium and high corrosivenes

- in fire-risk premises
- on special cable bridges

• 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: ПБ123121000

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/m³)
- class $\prod \kappa 1$ on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m²/kg)
- class ДΠκ2 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)





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TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm²	3 x 185
Insulation thikness between conductors	mm	1.9
Insulation thikness of conductor-sheath	mm	1.55
Sheath thikness	mm	1.56
Permissible continious current rating *		
• by aerial laying	А	342
• by burial	А	314
Operating temperature range	°C	-50 +50
Minimum bending radius by laying	mm	810
Level difference along the laying rout, not more than	m	25
Metal shaeth outer diameter (for reference only)	mm	40
Rated outer diameter of the cable (for reference) **	mm	54
Cable weight (approximate)	kg/km	5860
Rated factory cable length and gross weight of the delivery	m, t	# 18: 400 • 2.8
on the drums ***		# 20: 630 • 4.3
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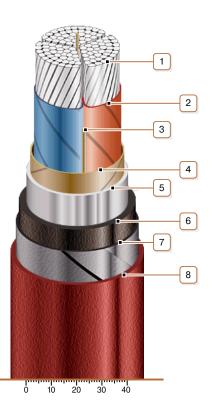
Notes:

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 $^{\circ}$ K·m/W, laying depth in the soil 0.7 m

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



CONSTRUCTION

- 1. Aluminium multiwire compacted conductor
- 2. Impregnated paper insulation
- 3. Cable paper bundle
- 4. Belt insulation
- 5. Lead sheath
- 6. Bedding with PVC compound moulded-in hose
- 7. Double galvanized steel-tape armour
- 8. Pressed off low fire-risk PVC compound protection hose

Note: Conductor twisting is not illustrated