153101-062003000185

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АСБнлШнгд 3х185-6
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 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 Тк3 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 Кк1 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)*

TECHNICAL SPECIFICATIONS

Rated voltage	kV	6
Number and rated area of conductors	mm^2	3 x 185
Insulation thikness between conductors	mm	4
Insulation thikness of conductor-sheath	mm	2.95
Sheath thikness	mm	1.62
Permissible continious current rating *		
• *by aerial laying*	A	333
• *by burial*	A	307
Operating temperature range	°C	-50 ... +50
Minimum bending radius by laying	mm	870
Level difference along the laying rout, not more than	m	15
Metal shaeth outer diameter (for reference only)	mm	45
Rated outer diameter of the cable (for reference) **	mm	58
Cable weight (approximate)	kg/km	6580
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 18: 340 • 2.7 # 20: 550 • 4.3 # 22: 620 • 4.9

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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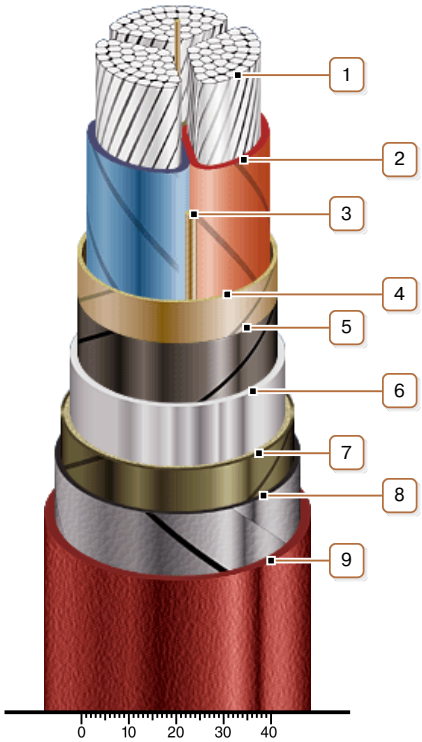

CONSTRUCTION

1. *Aluminium multiwire compacted conductor*
2. *Impregnated paper insulation*
3. *Cable paper bundle*
4. *Belt insulation*
5. *Conducting paper screen*
6. *Lead 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

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