153901-012003000120

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СБШв 3х120-1
ТУ У 27.3-00214534-091:2017

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

Cables are used for laying:
- *in soil (trenches) with high corrosiveness without vagabond currents*
- *in soil (trenches) with medium corrosiveness, as well as with vagabond currents*
- *in fire-risk premises*
- *on technological trestles*
- *on special cable bridges*
- *in mines, non-hazardous as for gas and dust*
- *with a risk of mechanical damage and no tensile forces in operation*

Fire safety code in accordance with ДСТУ 4809:2007: ПБ100000000
Products of this mark meet the requirements:
- *single wire cable flame retardance*

TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm^2	3 x 120
Insulation thikness between conductors	mm	1.7
Insulation thikness of conductor-sheath	mm	1.45
Sheath thikness	mm	1.36
Permissible continious current rating *		
• *by aerial laying*	A	348
• *by burial*	A	325
Operating temperature range	˚C	-50 ... +50
Minimum bending radius by laying	mm	645
Level difference along the laying rout, not more than	m	20
Metal shaeth outer diameter (for reference only)	mm	31
Rated outer diameter of the cable (for reference) **	mm	43
Cable weight (approximate)	kg/km	6350
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 520 • 3.6 # 18: 600 • 4.3

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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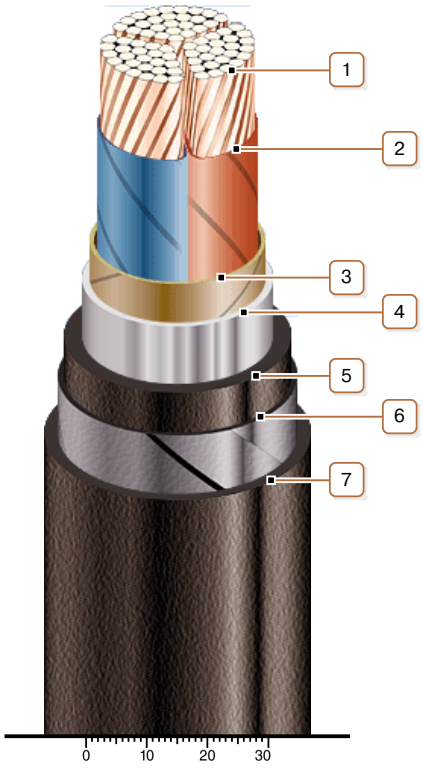

CONSTRUCTION

1. *Copper multiwire compact conductor*
2. *Impregnated paper insulation*
3. *Belt insulation*
4. *Lead sheath*
5. *Bedding with PVC compound moulded-in hose*
6. *Double steel-tape armour*
7. *Pressed PVC compound protection hose*

Note: Conductor twisting is not illustrated

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