



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

Power cables with copper 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 corrosiveness
- in fire-risk premises
- on special cable bridges
- with a risk of mechanical damage and no tensile forces in operation
- in bunches

Fire safety code in accordance with ДСТУ 4809:2007: ПБ120000000

Products of this mark meet the requirements:

- single wire cable flame retardance
- bunched cable flame retardance category A

TECHNICAL SPECIFICATIONS

Rated voltage	kV	1
Number and rated area of conductors	mm ²	3 x 120
Insulation thickness between conductors	mm	1.7
Insulation thickness of conductor-sheath	mm	1.45
Sheath thickness	mm	1.36
Permissible continuous 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 route, not more than	m	20
Metal sheath outer diameter (for reference only)	mm	31
Rated outer diameter of the cable (for reference) **	mm	43
Cable weight (approximate)	kg/km	6600
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 16a: 520 • 3.7 # 18: 600 • 4.4

Notes:

When ordering it is necessary to agree the factory length of the product with the manufacturer

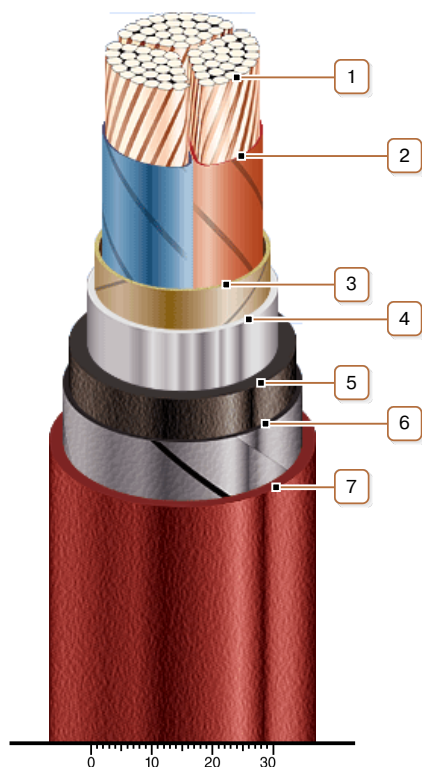
* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

** 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 galvanized steel-tape armour
7. Pressed off low-flammable PVC compound protection hose

Note: Conductor twisting is not illustrated