240202-070200000009

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СБВБГнг 7х2х0.9
ТУ У 31.3-00214534-008-2001

Signal blocking cables with copper conductors, with polyethylene insulation, in low flammable PVC compound sheath, with galvanized double-steel-tape armouring

Designed for electrical installations of railway signaling, centralization, blocking and automation at a rated voltage of 380 V AC at frequency 50 Hz or 700 V DC

Cables are used for laying:
- *in bunches*
- *in dry cable duct system, tunnels, collectors*
- *in places, where small mechanical impacts on cable are possible, including tensile forces*

Fire safety code in accordance with ДСТУ 4809:2007: ПБ121000000
Products of this mark meet the requirements:
- *single wire cable flame retardance*
- *bunched cable flame retardance category A*
- *toxicity class Tk1 of the combustion products of nonmetallic elements (toxicity index from 13 up to 40 g/m^3)*

TECHNICAL SPECIFICATIONS

Rated voltage	V	380 / 700
Number of pairs and nominal conductor diameter		7 x 0.9
Electrical resistance of the conductor at 20 °C	Ohm/km	28.8
Operating capacity, not more than	nF/km	100.0
Attenuation coefficient of pairs at a temperature of 20 °C, not more than	dB/km	1.04
Coupling losses on near-end of cable between any pairs over a length of 300 m, not less than:		
• *for 100% of the values*	dB	60.0
• *for 80% of the values*	dB	62.0
Operating temperature range	°C	-50 ... +60
Minimum bending radius by laying	mm	180
Cable outer diameter (for reference only) **	mm	15
Cable weight (approximate)	kg/km	396
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 12: 1450 • 0.7

Notes:

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

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

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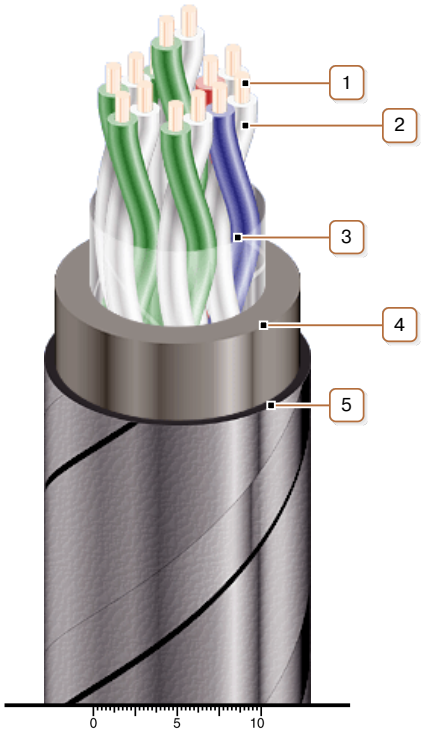

CONSTRUCTION

1. *Copper conductor*
2. *Polyethylene insulation*
3. *PET film winding*
4. *Low flammable PVC compound sheath*
5. *Double galvanized steel-tape armour*

Note: Pair twisting in the layer of core on the picture not shown.

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