







# СБВБГнг 14х2х0.9 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: ΠБ121000000

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/m³)

### **TECHNICAL SPECIFICATIONS**

Number of pairs and nominal conductor diameter  Electrical resistance of the conductor at 20 °C  Ohm/km  28.8  Operating capacity, not more than  Attenuation coefficient of pairs at a temperature of 20 °C, not dB/km  Toupling losses on near-end of cable between any pairs over a length of 300 m, not less than:  for 100% of the values  for 80% of the values  Operating temperature range  Minimum bending radius by laying  Cable outer diameter (for reference only) **  mm  20	Rated voltage	V	380 / 700
Operating capacity, not more than nF/km 100.0  Attenuation coefficient of pairs at a temperature of 20 °C, not dB/km 1.04  more than  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 240  Cable outer diameter (for reference only) ** mm 20	Number of pairs and nominal conductor diameter		14 x 0.9
Attenuation coefficient of pairs at a temperature of 20 °C, not dB/km 1.04 more than  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 240  Cable outer diameter (for reference only) ** mm 20	Electrical resistance of the conductor at 20 °C	Ohm/km	28.8
more than  Coupling losses on near-end of cable between any pairs over a length of 300 m, not less than:  • for 100% of the values  • for 80% of the values  Operating temperature range  Minimum bending radius by laying  Cable outer diameter (for reference only) **  mm  20	Operating capacity, not more than	nF/km	100.0
Coupling losses on near-end of cable between any pairs over a length of 300 m, not less than:  • for 100% of the values  • for 80% of the values  Operating temperature range  Minimum bending radius by laying  Cable outer diameter (for reference only) **  mm 20	Attenuation coefficient of pairs at a temperature of 20 °C, not	dB/km	1.04
<ul> <li>for 100% of the values</li> <li>for 80% of the values</li> <li>Operating temperature range</li> <li>C -50 +60</li> <li>Minimum bending radius by laying</li> <li>Cable outer diameter (for reference only) **</li> <li>mm 240</li> <li>cable outer diameter (for reference only) **</li> </ul>	more than		
• for 80% of the valuesdB62.0Operating temperature range°C-50 +60Minimum bending radius by layingmm240Cable outer diameter (for reference only) **mm20	Coupling losses on near-end of cable between any pairs over a length of 300 m, not less than:		
Operating temperature range °C -50 +60  Minimum bending radius by laying mm 240  Cable outer diameter (for reference only) ** mm 20	for 100% of the values	dB	60.0
Minimum bending radius by laying mm 240 Cable outer diameter (for reference only) ** mm 20	for 80% of the values	dB	62.0
Cable outer diameter (for reference only) ** mm 20	Operating temperature range	°C	-50 +60
	Minimum bending radius by laying	mm	240
0.11. (2.11./2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	Cable outer diameter (for reference only) **	mm	20
Cable weight (approximate) kg/km 593	Cable weight (approximate)	kg/km	593
Rated factory cable length and gross weight of the delivery m, t # 12: 820 • 0.6	Rated factory cable length and gross weight of the delivery	m, t	# 12: 820 • 0.6
on the drums *** # 14: 1570 • 1.1	on the drums ***		# 14: 1570 • 1.1

### Notes:

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

<sup>\*\*</sup> The external diameter may differ from the rated up to  $\pm$  10 %







7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830 E-mail: market@yuzhcable.com.ua

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# 1 2 3 3 4 5 5

## **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.