



## СБГ 4x2x1 TY Y 31.3-00214534-008-2001

Signal blocking cables with copper conductors, with polyethylene insulation, in PVC compound sheath

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:

- *single laying*
- *in premises, dry ducts and tunnels, in corrosive environment*
- *in the absence of mechanical effects on cable*

Manufacturing of cables with core diameter of 0.8 mm is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ100000000

Products of this mark meet the requirements:

- *single wire cable flame retardance*

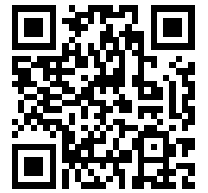
### TECHNICAL SPECIFICATIONS

Rated voltage	V	380 / 700
Number of pairs and nominal conductor diameter		4 x 1
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	0.94
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	77
Cable outer diameter (for reference only) **	mm	11
Cable weight (approximate)	kg/km	144
Rated factory cable length and gross weight of the delivery on the drums	m, t	# 10: 1970 • 0.4

Notes:

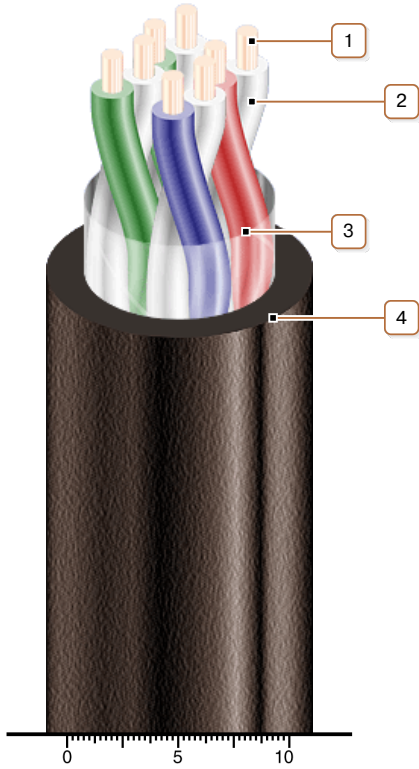
When ordering it is necessary to agree the factory length of the product with the manufacturer

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



**СБВГ 4x2x1**  
**ТУ У 31.3-00214534-008-2001**

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**CONSTRUCTION**

**1. Copper conductor**

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**2. Polyethylene insulation**

**3. PET film winding**

**4. PVC compound sheath**

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