**СБВГнг 16х1**  
**ТУ У 31.3-00214534-008-2001**

Signal blocking cables with copper conductors, with polyethylene insulation, in low flammable 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:

- *in bunches*
- *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: 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<sup>3</sup>)*

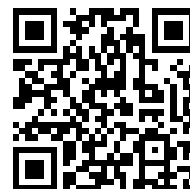
**TECHNICAL SPECIFICATIONS**

|  |        |                  |
|--|--------|------------------|
| Rated voltage  | V      | 380 / 700        |
| Number and rated diameter of conductors                                      | mm     | 16 x 1           |
| Electrical resistance of the conductor at 20 °C                              | Ohm/km | 23.3             |
| Operating capacity, not more than  | nF/km  | 150.0            |
| Operating temperature range  | °C     | -40 ... +60      |
| Minimum bending radius by laying   | mm     | 84               |
| Cable outer diameter (for reference only) **                                 | mm     | 12               |
| Cable weight (approximate)   | kg/km  | 220              |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t   | # 10: 1650 • 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  $\pm 10\%$



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### CONSTRUCTION

#### 1. Copper conductor

*Note: Manufacturing of cables with core diameter of 0.8 mm is possible*

#### 2. Polyethylene insulation

#### 3. PET film winding

#### 4. Low flammable PVC compound sheath

*Note: Conductor twisting is not illustrated*

