



## СБВГнг 4x2x1 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 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: |        |                  |
| • <i>for 100% of the values</i>                                                               | dB     | 60.0             |
| • <i>for 80% of the values</i>                                                                | dB     | 62.0             |
| Operating temperature range                                                                   | °C     | -40 ... +60      |
| Minimum bending radius by laying                                                              | mm     | 77               |
| Cable outer diameter (for reference only) **                                                  | mm     | 11               |
| Cable weight (approximate)                                                                    | kg/km  | 149              |
| Rated factory cable length and gross weight of the delivery on the drums ***                  | m, t   | # 10: 1970 • 0.4 |

Notes:

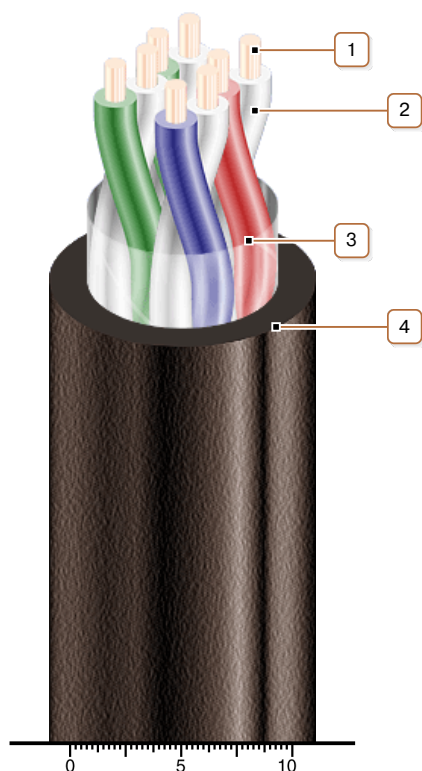
When ordering it is necessary to agree the factory length of the product with the manufacturer

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



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### CONSTRUCTION

#### 1. Copper conductor

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#### 2. Polyethylene insulation

#### 3. PET film winding

#### 4. Low flammable PVC compound sheath

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