



## **СБВБГ 4x2x0.9** **ТУ У 31.3-00214534-008-2001**

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

- *single laying*
- *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: ПБ1000000000

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 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: |        |                  |
| • <i>for 100% of the values</i>   | dB     | 60.0             |
| • <i>for 80% of the values</i>  | dB     | 62.0             |
| Operating temperature range   | °C     | -50 ... +60      |
| Minimum bending radius by laying  | mm     | 156              |
| Cable outer diameter (for reference only) **  | mm     | 13               |
| Cable weight (approximate)  | kg/km  | 303              |
| Rated factory cable length and gross weight of the delivery on the drums ***                  | m, t   | # 10: 1410 • 0.5 |

Notes:

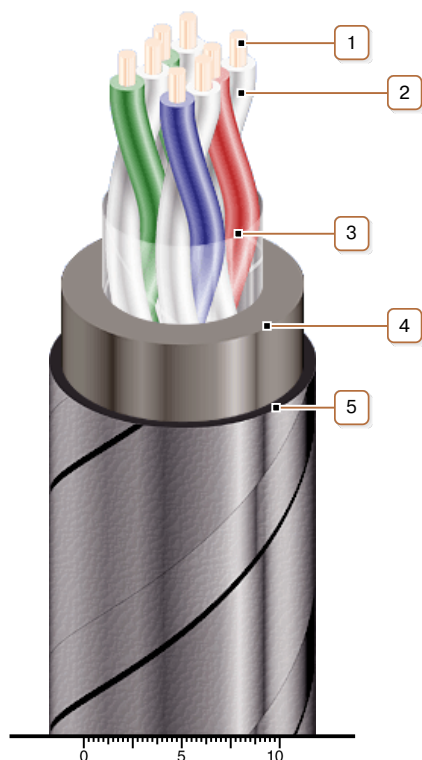
When ordering it is necessary to agree the factory length of the product with the manufacturer

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



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### CONSTRUCTION

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

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