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# **СБВБГ 27х2х1** 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: ΠБ100000000

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                                                |        | 27 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                               | dB/km  | 0.94            |
| 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     | 324             |
| Cable outer diameter (for reference only) **                                                  | mm     | 27              |
| Cable weight (approximate)                                                                    | kg/km  | 1046            |
| Rated factory cable length and gross weight of the delivery                                   | m, t   | # 14: 800 • 1.0 |
| on the drums ***                                                                              |        |                 |
| 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 %



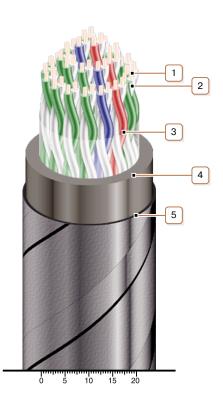




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### **CONSTRUCTION**

- 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.