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## СБВБГнг 7х2х0.9 ТУ У 31.3-00214534-008-2001

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

- · in bunches
- · 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: ΠБ121000000

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/m³)

### **TECHNICAL SPECIFICATIONS**

| Rated voltage   | V      | 380 / 700        |
|---|--------|------------------|
| Number of pairs and nominal conductor diameter  |        | 7 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                               | dB/km  | 1.04             |
| 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     | 180              |
| Cable outer diameter (for reference only) **  | mm     | 15               |
| Cable weight (approximate)  | kg/km  | 396              |
| Rated factory cable length and gross weight of the delivery                                   | m, t   | # 12: 1450 • 0.7 |
| on the drums ***  |        |                  |
| Notes:  |        |                  |

#### 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 %



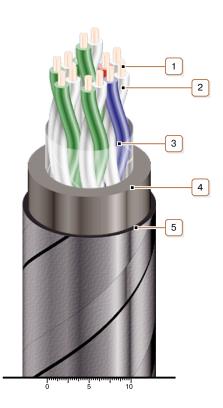




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### **CONSTRUCTION**

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

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