

**СБВБГнг 42х0.9**  
**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: 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     | 42 x 0.9                            |
| 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     | -50 ... +60                         |
| Minimum bending radius by laying                                         | mm     | 240                                 |
| Cable outer diameter (for reference only) **                             | mm     | 20                                  |
| Cable weight (approximate)                                               | kg/km  | 706                                 |
| Rated factory cable length and gross weight of the delivery on the drums | m, t   | # 12: 820 • 0.7<br># 14: 1570 • 1.3 |

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 ± 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: conductor twisting is not illustrated*

