



## СБВБШВНГ 14x2x1 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, in low flammable PVC compound hose

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 corrosive environment*
- *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 of pairs and nominal conductor diameter                                                |        | 14 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     | 276              |
| Cable outer diameter (for reference only) **                                                  | mm     | 23               |
| Cable weight (approximate)                                                                    | kg/km  | 743              |
| Rated factory cable length and gross weight of the delivery on the drums                      | m, t   | # 14: 1090 • 1.0 |

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 inner sheath
5. Double galvanized steel-tape armour
6. Low-flammable PVC compound protection hose

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

