



## СБПБШВ 4x2x1 ТУ У 31.3-00214534-008-2001

Signal blocking cables with copper conductors, with polyethylene insulation, in polyethylene sheath, with galvanized double-steel-tape armouring, in 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 ducts, tunnels, collectors, in soil (trenches), 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: ПБ100000000

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 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: |        |                  |
| • 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     | 192              |
| Cable outer diameter (for reference only) **  | mm     | 16               |
| Cable weight (approximate)  | kg/km  | 360              |
| Rated factory cable length and gross weight of the delivery on the drums                      | m, t   | # 12: 1280 • 0.6 |

Notes:

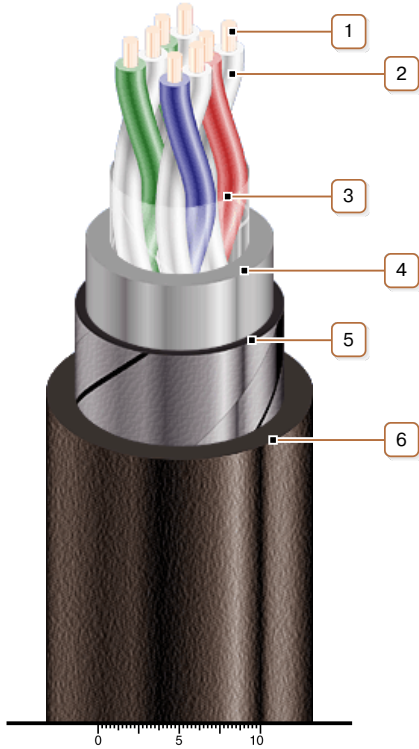
When ordering it is necessary to agree the factory length of the product with the manufacturer

\*\* 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. *Polyethylene inner sheath*
5. *Double galvanized steel-tape armour*
6. *PVC compound protection hose*

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