



## СБП 27х2х1 ТУ У 31.3-00214534-008-2001

Signal blocking cables with copper conductors, with polyethylene insulation, in thickened polyethylene sheath

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 soil (trenches), in corrosion environment*
- *in the absence of mechanical effects on cable*

Manufacturing of cables with inner sheath of PVC-compound is possible

### 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 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     | -50 ... +60     |
| Minimum bending radius by laying  | mm     | 189             |
| Cable outer diameter (for reference only) **  | mm     | 27              |
| Cable weight (approximate)  | kg/km  | 705             |
| Rated factory cable length and gross weight of the delivery on the drums ***                  | m, t   | # 14: 800 • 0.8 |

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

*Note: Manufacturing of cables with inner sheath of PVC-compound is possible*

5. Polyethylene outer sheath

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

