



## СБЗПАБпШп 14x2x1 ТУ У 31.3-00214534-008-2001

Signal blocking cables with copper conductors, with polyethylene insulation, with water-blocking core filling, in aluminium sheath, with double-steel-tape armouring, in polyethylene 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 soil
- in conditions of excessive humidity
- at external electrical influences
- in places, where small mechanical impacts on cable are possible, including tensile forces

### 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:     |        |                                     |
| • for 100% of the values                                                                          | dB     | 60.0                                |
| • for 80% of the values                                                                           | dB     | 62.0                                |
| Protective action coefficient of aluminium sheath at longitudinal EMF of 30 V/ km, not more than: |        | 0.3                                 |
| Operating temperature range                                                                       | °C     | -50 ... +60                         |
| Minimum bending radius by laying                                                                  | mm     | 384                                 |
| Cable outer diameter (for reference only) **                                                      | mm     | 32                                  |
| Cable weight (approximate)                                                                        | kg/km  | 1286                                |
| Rated factory cable length and gross weight of the delivery on the drums ***                      | m, t   | # 14: 610 • 1.0<br># 16a: 990 • 1.5 |

Notes:

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

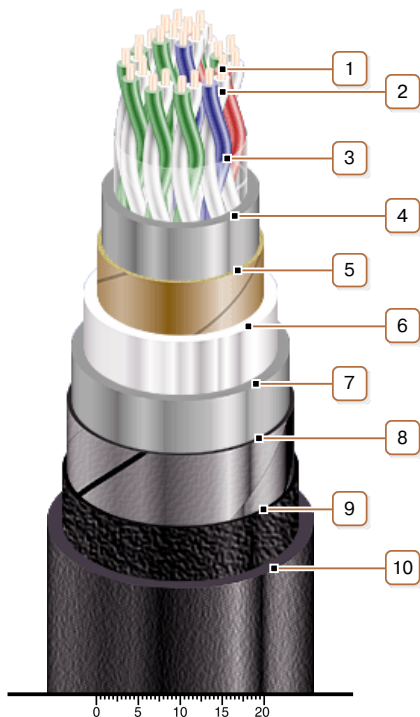
\*\* The external diameter may differ from the rated up to  $\pm 10\%$



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### CONSTRUCTION



1. Copper conductor
2. Polyethylene insulation
3. PET film lapping with water-blocking filling
4. Polyethylene inner sheath
5. Paper core wrapping
6. Aluminium sheath
7. Pressed polyethylene bedding
8. Double steel-tape armour
9. Bitumen layer
10. Polyethylene protection hose

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