



## СБЗПАШп 3x2x1 ТУ У 31.3-00214534-008-2001

Signal blocking cables with copper conductors, with polyethylene insulation, with water-blocking core filling, in aluminium sheath, 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 the absence of mechanical effects on cable*

### TECHNICAL SPECIFICATIONS

|                                                                                                   |        |                  |
|---------------------------------------------------------------------------------------------------|--------|------------------|
| Rated voltage                                                                                     | V      | 380 / 700        |
| Number of pairs and nominal conductor diameter                                                    |        | 3 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             |
| Protective action coefficient of aluminium sheath at longitudinal EMF of 30 V/ km, not more than: |        | 0.7              |
| Operating temperature range                                                                       | °C     | -50 ... +60      |
| Minimum bending radius by laying                                                                  | mm     | 126              |
| Cable outer diameter (for reference only) **                                                      | mm     | 18               |
| Cable weight (approximate)                                                                        | kg/km  | 388              |
| Rated factory cable length and gross weight of the delivery on the drums                          | m, t   | # 12: 1010 • 0.5 |

Notes:

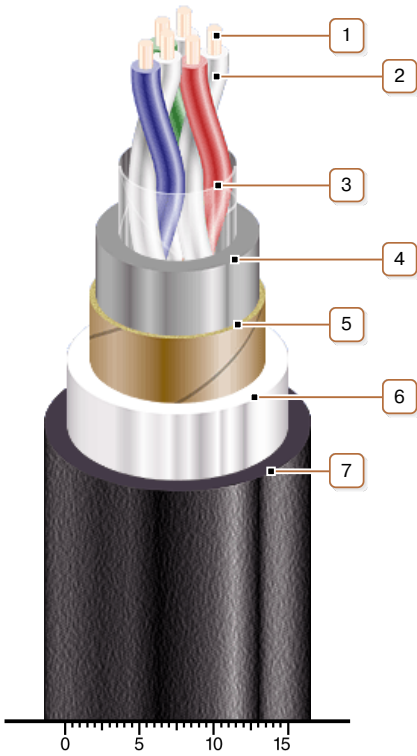
*When ordering it is necessary to agree the factory length of the product with the manufacturer*

*\*\* The external diameter may differ from the rated up to ± 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. Polyethylene protection hose

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