



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

Signal blocking cables with copper conductors, with polyethylene insulation, with water-blocking core filling, in reinforced 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*
- *for increased protection of circuits against external electrical influences*
- *in places, where small mechanical impacts on cable are possible, including tensile forces*

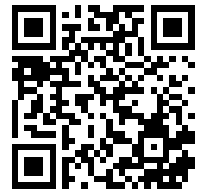
### TECHNICAL SPECIFICATIONS

|   |        |                 |
|---|--------|-----------------|
| Rated voltage   | V      | 380 / 700       |
| Number of pairs and nominal conductor diameter  |        | 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:     |        |                 |
| • <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: |        | 0.1             |
| Operating temperature range   | °C     | -50 ... +60     |
| Minimum bending radius by laying  | mm     | 336             |
| Cable outer diameter (for reference only) **  | mm     | 28              |
| Cable weight (approximate)  | kg/km  | 1104            |
| Rated factory cable length and gross weight of the delivery on the drums ***                      | m, t   | # 14: 800 • 1.1 |

Notes:

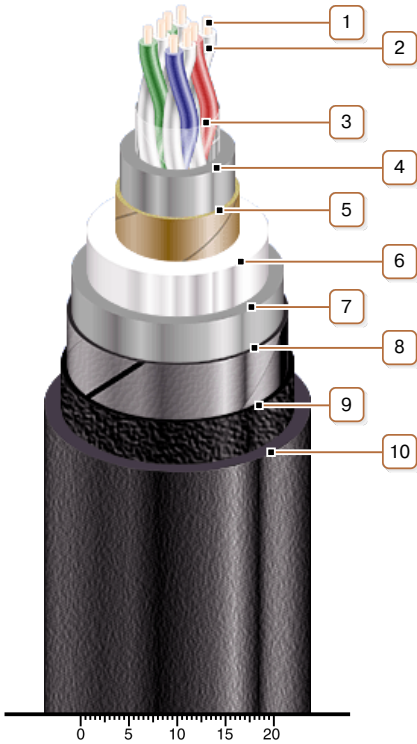
*When ordering it is necessary to agree the factory length of the product with the manufacturer*

*\*\* 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. Strengthened 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.