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## СБПАБпШп 12x2x1 ТУ У 31.3-00214534-008-2001

Signal blocking cables with copper conductors, with polyethylene insulation, 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
- · 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		12 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	dB/km	0.94
more than		
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		0.3
longitudinal EMF of 30 V/ km, not more than:		
Operating temperature range	°C	-50 +60
Minimum bending radius by laying	mm	372
Cable outer diameter (for reference only) **	mm	31
Cable weight (approximate)	kg/km	1149
Rated factory cable length and gross weight of the delivery	m, t	# 14: 610 • 0.9
on the drums ***		# 16a: 990 • 1.4

Notes:

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

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



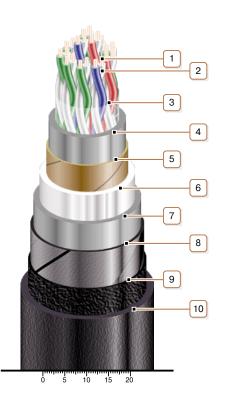




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## **CONSTRUCTION**

- 1. Copper conductor
- 2. Polyethylene insulation
- 3. PET film winding
- 4. Polyethylene inner sheath
- 5. 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.