



СБПАБпШп 7x2x1 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		7 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:		0.3
Operating temperature range	°C	-50 ... +60
Minimum bending radius by laying	mm	324
Cable outer diameter (for reference only) **	mm	27
Cable weight (approximate)	kg/km	923
Rated factory cable length and gross weight of the delivery on the drums	m, t	# 14: 800 • 0.9

Notes:

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

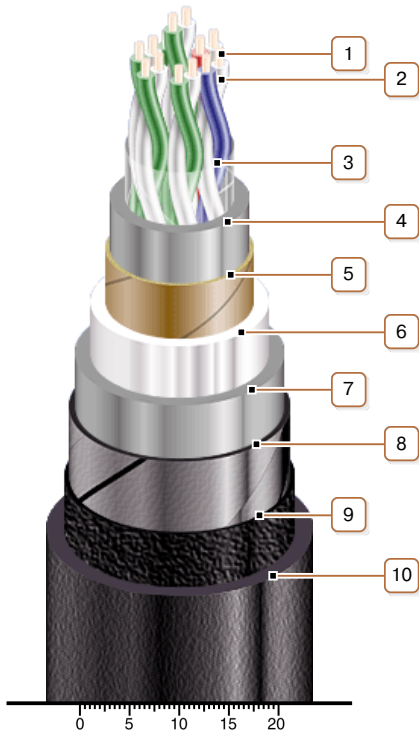
*** The external diameter may differ from the rated up to ± 10 %*



СБПАБпШп 7x2x1 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

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.