240503-120200000010

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СБПАуБпШп 12х2х1
ТУ У 31.3-00214534-008-2001

Signal blocking cables with copper conductors, with polyethylene insulation, 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*
- *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		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 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:		0.1
Operating temperature range	°C	-50 ... +60
Minimum bending radius by laying	mm	396
Cable outer diameter (for reference only) **	mm	33
Cable weight (approximate)	kg/km	1423
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 14: 540 • 1.0 # 16a: 870 • 1.5

Notes:

When ordering it is neccesary 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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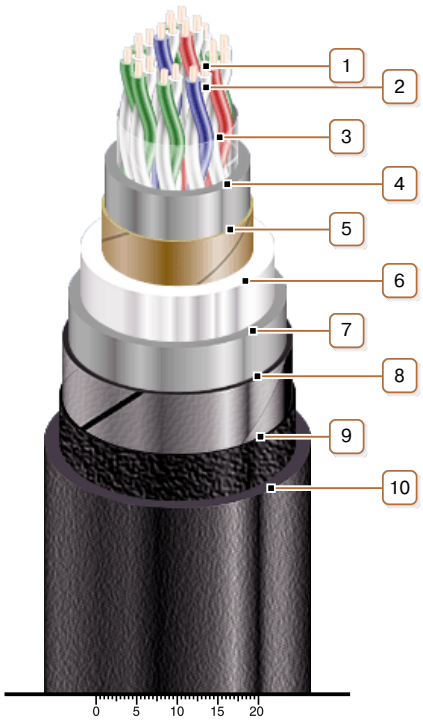

CONSTRUCTION

1. *Copper conductor*
2. *Polyethylene insulation*
3. *PET film winding*
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.

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