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## СБВБбШвнгд 33х1 ТУ У 31.3-00214534-008-2001



Signal blocking cables with copper conductors, with polyethylene insulation, in PVC compound sheath, with low smoke and corrosive gas emission, with galvanized double-steel-tape armouring, in PVC compound hose with low smoke and corrosive gas emission

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 bunches
- in dry cable duct system, tunnels, collectors in corrosione environment

• at the sites, where, along with the requirements for flame retardance are specified requirements for low smoke and gas emission at combustion or smoldering

• in places, where small mechanical impacts on cable are possible, including tensile forces

Fire safety code in accordance with ДСТУ 4809:2007: ΠБ123121000 Products of this mark meet the requirements:

- single wire cable flame retardance
- · bunched cable flame retardance category A
- toxicity class Tk3 of the combustion products of nonmetallic elements (toxicity index over 120 g/m<sup>3</sup>)
- class  $\protect\ensuremath{\mathcal{J}\kappa1}$  on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m<sup>2</sup>/kg)
- class ДΠκ2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)

• corrosive class K $\kappa$ 1 of combustion products of non-metallic elements (the number of halogen hydrides less than 150 mg/g, pH less than 4.3, specific conductivity more than 10  $\mu$ S/mm)





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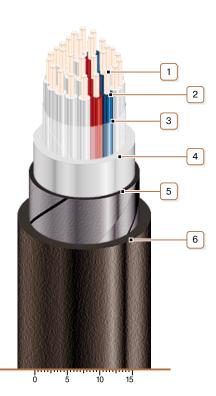
## **TECHNICAL SPECIFICATIONS**

Rated voltage	V	380 / 700
Number and rated diameter of conductors	mm	33 x 1
Electrical resistance of the conductor at 20 °C	Ohm/km	23.3
Operating capacity, not more than	nF/km	150.0
Operating temperature range	°C	-40 +60
Minimum bending radius by laying	mm	240
Cable outer diameter (for reference only) **	mm	20
Cable weight (approximate)	kg/km	741
Rated factory cable length and gross weight of the delivery	m, t	# 12: 820 • 0.7
on the drums ***		# 14: 1570 • 1.3
Notes:		

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  $\pm$  10 %



## CONSTRUCTION

- 1. Copper conductor
- 2. Polyethylene insulation
- 3. PET film winding
- 4. Low fire-risk PVC-compound inner sheath
- 5. Double galvanized steel-tape armour
- 6. Low fire-risk PVC compound protection hose

Note: Conductor twisting is not illustrated