



## **СБВБШвнгд 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 corrosive 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: ПБ123121000

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 ДТк1 on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m<sup>2</sup>/kg)*
- *class ДПк2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)*
- *corrosive class Кк1 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 μS/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 on the drums ***	m, t	# 12: 820 • 0.7 # 14: 1570 • 1.3

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  $\pm 10\%$

### 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

