





7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830 E-mail: market@yuzhcable.com.ua

## СБВБбШвнгд 4x0.9 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: 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/m3)
- class  $\Pi T \kappa 1$  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)







7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830 E-mail: market@yuzhcable.com.ua

# СБВБбШвнгд 4x0.9 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

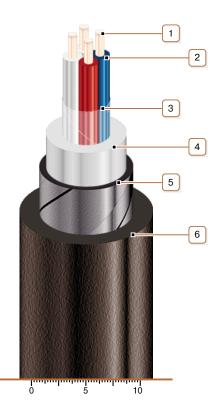
### **TECHNICAL SPECIFICATIONS**

| Rated voltage   | V      | 380 / 700        |
|---|--------|------------------|
| Number and rated diameter of conductors                     | mm     | 4 x 0.9          |
| 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     | 144              |
| Cable outer diameter (for reference only) **                | mm     | 12               |
| Cable weight (approximate)                                  | kg/km  | 274              |
| Rated factory cable length and gross weight of the delivery | m, t   | # 10: 1650 • 0.5 |
| on the drums ***  |        |                  |

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 %



#### 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