





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

# СБЗПБбШв 30х2х1 ТУ У 31.3-00214534-008-2001

Signal blocking cables with copper conductors, with polyethylene insulation, with water-blocking core filling, in polyethylene sheath, with galvanized double-steel-tape armouring, in PVC compound 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 ducts, tunnels, collectors, in soil (trenches), in corrosione environment
- · in conditions of excessive humidity
- · in places, where small mechanical impacts on cable are possible, including tensile forces

Fire safety code in accordance with ДСТУ 4809:2007:  $\Pi E 1000000000$ 

Products of this mark meet the requirements:

· single wire cable flame retardance

### **TECHNICAL SPECIFICATIONS**

| Rated voltage   | V      | 380 / 700         |
|---|--------|-------------------|
| Number of pairs and nominal conductor diameter  |        | 30 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                               | dB/km  | 0.94              |
| more than   |        |                   |
| 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              |
| Operating temperature range   | °C     | -50 +60           |
| Minimum bending radius by laying  | mm     | 360               |
| Cable outer diameter (for reference only) **  | mm     | 30                |
| Cable weight (approximate)  | kg/km  | 1253              |
| Rated factory cable length and gross weight of the delivery                                   | m, t   | # 14: 700 • 1.1   |
| on the drums ***  |        | # 16a: 1120 • 1.7 |

#### 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 %



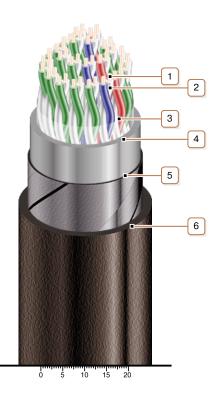




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### **CONSTRUCTION**

- 1. Copper conductor
- 2. Polyethylene insulation
- 3. Water-blocking filling
- 4. Polyethylene inner sheath
- 5. Double galvanized steel-tape armour
- 6. PVC compound protection hose

Note: Pair twisting in the layer of core on the picture not shown.