





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

# СБПАШп 12х2х0.9 ТУ У 31.3-00214534-008-2001

Signal blocking cables with copper conductors, with polyethylene insulation, in aluminium sheath, 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
- · at external electrical influences
- in the absence of mechanical effects on cable

### **TECHNICAL SPECIFICATIONS**

| Rated voltage   | V      | 380 / 700        |
|---|--------|------------------|
| Number of pairs and nominal conductor diameter  |        | 12 x 0.9         |
| 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  | 1.04             |
| 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             |
| Protective action coefficient of aluminium sheath at  |        | 0.7              |
| longitudinal EMF of 30 V/ km, not more than:  |        |                  |
| Operating temperature range   | °C     | -50 +60          |
| Minimum bending radius by laying  | mm     | 168              |
| Cable outer diameter (for reference only) **  | mm     | 24               |
| Cable weight (approximate)  | kg/km  | 654              |
| Rated factory cable length and gross weight of the delivery                                   | m, t   | # 14: 1090 • 0.9 |
| 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 %



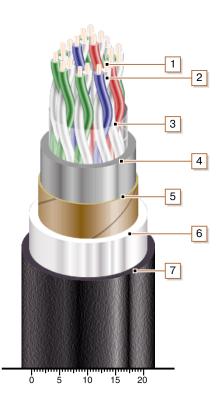




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### **CONSTRUCTION**

- 1. Copper conductor
- 2. Polyethylene insulation
- 3. PET film winding
- 4. Polyethylene inner sheath
- 5. Paper core wrapping
- 6. Aluminium sheath
- 7. Polyethylene protection hose

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