



СБВГнг 12х2х0.9 ТУ У 31.3-00214534-008-2001

Signal blocking cables with copper conductors, with polyethylene insulation, in low flammable PVC compound sheath

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 premises, dry ducts and tunnels, in corrosive environment*
- *in the absence of mechanical effects on cable*

Manufacturing of cables with core diameter of 0.8 mm is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ121000000

Products of this mark meet the requirements:

- *single wire cable flame retardance*
- *bunched cable flame retardance category A*
- *toxicity class Tk1 of the combustion products of nonmetallic elements (toxicity index from 13 up to 40 g/m³)*

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 more than | dB/km | 1.04 |
| Coupling losses on near-end of cable between any pairs over a length of 300 m, not less than: | | |
| • <i>for 100% of the values</i> | dB | 60.0 |
| • <i>for 80% of the values</i> | dB | 62.0 |
| Operating temperature range | °C | -40 ... +60 |
| Minimum bending radius by laying | mm | 119 |
| Cable outer diameter (for reference only) ** | mm | 17 |
| Cable weight (approximate) | kg/km | 309 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 12: 1130 • 0.5 |

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 $\pm 10\%$



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CONSTRUCTION

1. Copper conductor

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2. Polyethylene insulation

3. PET film winding

4. Low flammable PVC compound sheath

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

