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СБВБбШвнгд 19х2х1 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 $\mathcal{L}T\kappa 1$ on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m²/kg)
- class ДΠκ2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)
- corrosive class K κ 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 μ S/mm)







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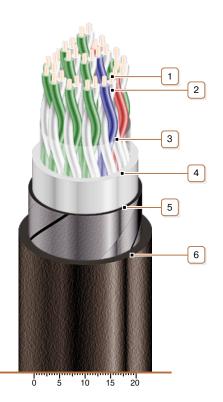
TECHNICAL SPECIFICATIONS

| Rated voltage | V | 380 / 700 |
|---|--------|-----------------|
| Number of pairs and nominal conductor diameter | | 19 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 | -40 +60 |
| Minimum bending radius by laying | mm | 300 |
| Cable outer diameter (for reference only) ** | mm | 25 |
| Cable weight (approximate) | kg/km | 944 |
| Rated factory cable length and gross weight of the delivery | m, t | # 14: 930 • 1.1 |
| on the drums *** | | |

Notes:

When ordering it is neccesary 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: Pair twisting in the layer of core on the picture not shown.