



## ПВЛТЭ-1 1x0.5 ТУ У 27.3-00214534-120:2023

Wires with PVC-plastic insulation in varnished braiding for locomotives

Used:

- for fixed installation and installation with limited mobility within locomotives and other units of rolling stock

The wires are resistant to vibrational, linear and impact loads, to the action of diesel fuel and lubricating oil, low-combustible, unshielded wires are resistant to sintering

It is possible to manufacture two- and three-wire wires with fastening winding, as well as fire-safe and halogen-free wires according to the specifications of PJSC YUZH CABLE WORKS

### TECHNICAL SPECIFICATIONS

|   |                 |             |
|---|-----------------|-------------|
| Rated AC voltage up to 2000 Hz                | V               | 380         |
| Rated DC voltage                              | V               | 700         |
| Number and rated diameter of conductors       | mm <sup>2</sup> | 1 x 0.5     |
| Class of core flexibility                     |                 | 4           |
| Ambient operating temperature                 | °C              | -60 ... +60 |
| Permissible continuous conductors temperature | °C              | +70         |
| Cable outer diameter (for reference only) **  | mm              | 3.0         |
| Cable weight (approximate)                    | kg/km           | 18          |
| Minimal service life                          | years           | 15          |

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  $\pm 10\%$

### CONSTRUCTION

1. Copper multiwire conductor
2. Insulation made of PVC-plastic, thin
3. Braid made of cotton or combined yarn
4. Screen - tinned copper wires braid

Note: It is possible to manufacture two- and three-wire wires with fastening winding, as well as fire-safe and halogen-free wires according to the specifications of PJSC YUZH CABLE WORKS

