



**Reference:** 10573533  
**Country Ref.:** F105005V100

#### CONTACT

Market information  
 industryprojects.business@lynxogroup.com

TPU-Control cables with low capacity insulation for extremely dynamic application, up to 1000V, PUR jacket, unshielded, oil resistant, halogen free, UL and CSA approved

#### STANDARDS

**Product** UL and CSA approval

### CHARACTERISTICS

#### Construction characteristics

|                    |                                |
|--------------------|--------------------------------|
| Construction type  | 5G0,50                         |
| Conductor material | Bare copper                    |
| Insulation         | Polyolefin                     |
| Insulation colour  | Black w. number + yellow/green |
| Taping             | Non woven tape                 |
| Outer sheath       | PUR                            |
| Sheath colour      | Grey RAL 7001                  |
| Halogen free       | Yes                            |

#### Dimensional characteristics

|                         |                     |
|-------------------------|---------------------|
| Number of cores         | 5                   |
| Conductor cross-section | 0.5 mm <sup>2</sup> |
| Outer Diameter          | 6.1 mm              |
| Copper content          | 25 kg/km            |



Halogen free  
 Yes



Operating temp.  
 -30 ... 80 °C



Storage temperature, range  
 -40 ... 80 °C



Oil resistance  
 EN 50363-10-2



Flame retardant  
 IEC/EN 60332-1-2; FT1; UL 1581 FT1

#### Dimensional characteristics

Approximate weight 47 kg/km

#### Electrical characteristics

Rated Voltage U<sub>0</sub>/U 1000 V

Test voltage 4000 V

#### Mechanical characteristics

Bending cycles 10 Mio.

Speed 600 m/min

Maximum acceleration 60 m/s<sup>2</sup>

#### Usage characteristics

Field of application Dynamic

Minimum dynamic operating bending radius 6.5 (xD)

Operating temperature, range -30 ... 80 °C

Storage temperature, range -40 ... 80 °C

Oil resistance EN 50363-10-2

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