



**Reference:** 10554015  
**Country Ref.:** F105002V100  
**EAN 13:** 8054803104801

#### 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  | 2x0,50                         |
| 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         | 2                   |
| Conductor cross-section | 0.5 mm <sup>2</sup> |
| Outer Diameter          | 5 mm                |



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**

|                    |          |
|--------------------|----------|
| Copper content     | 10 kg/km |
| Approximate weight | 31 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                      |
| Flame retardant                          | IEC/EN 60332-1-2; FT1; UL 1581 FT1 |



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