



**Reference:** F110002V100  
**Country Ref.:** F110002V100

#### CONTACT

Market information  
 industryprojects.business@lynx<sup>eo</sup>  
 ogroup.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	2x1
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	1 mm <sup>2</sup>
Outer Diameter	5.8 mm
Copper content	20 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 46 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