



**Reference:** 10555197  
**Country Ref.:** F110012V100  
**EAN 13:** 8054803081188

#### CONTACT

Market information  
 industryprojects.business@lynxgroup.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	12G1
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	12
Conductor cross-section	1 mm <sup>2</sup>
Outer Diameter	11.1 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	120 kg/km
Approximate weight	179 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