



**Reference:** 10563023  
**Country Ref.:** F105012V100

#### CONTACT

Market information  
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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	12G0,50
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	12
Conductor cross-section	0.5 mm <sup>2</sup>
Outer Diameter	8.9 mm
Copper content	60 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	100 kg/km
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#### 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



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