



**Reference:** 10555316  
**Country Ref.:** F105018T100  
**EAN 13:** 8054803078805

#### CONTACT

Market information  
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Control cables for dynamic application up to 1000V, PVC jacket, unshielded, oil resistant, flame retardant, UL and CSA approved

#### STANDARDS

**Product** UL and CSA approval

Cables designed for continuous moving application, high flexible, oil resistance.

#### Applications:

- Tracksystems for tool machines
- Wood machines
- Automatic lines for assembly
- Handling
- Packaging
- Other applications with moderate stresses

### CHARACTERISTICS

#### Construction characteristics

Construction type	18G0,50
Conductor material	Bare copper
Insulation	Polyolefin
Insulation colour	Black w. number + yellow/green
Taping	Non woven tape
Outer sheath	PVC
Sheath colour	Grey RAL 7001

#### Dimensional characteristics

Conductor cross-section	0.5 mm <sup>2</sup>
Number of cores	18
Outer Diameter	10.2 mm
Approximate weight	148 kg/km



Operating temp.  
-5 ... 80 °C



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



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



Oil resistance  
EN 50363-4-1

**Dimensional characteristics**

Copper content	90 kg/km
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**Electrical characteristics**

Rated Voltage U <sub>0</sub> /U	600 V
Test voltage	4000 V

**Mechanical characteristics**

Bending cycles	5 Mio.
Speed	300 m/min
Maximum acceleration	20 m/s <sup>2</sup>

**Usage characteristics**

Field of application	Dynamic
Operating temperature, range	-5 ... 80 °C
Storage temperature, range	-40 ... 80 °C
Minimum dynamic operating bending radius	6.5 (xD)
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1
Oil resistance	EN 50363-4-1



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



Oil resistance  
EN 50363-4-1