



**Reference:** 10554746  
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### CONTACT

Market information  
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PVC-jacketed control cables with low capacity insulation for high dynamic applications, up to 1000V, PVC jacket, shielded, oil resistant, flame retardant, UL and CSA approved

### STANDARDS

**Product** UL and CSA approval

Cables designed for continuous moving application like energy-chains, use for applications demanding high flexibility, Cablopower cable are oil resistance.

#### Applications:

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

## CHARACTERISTICS

### Construction characteristics

Construction type	(12G0,50)C
Conductor material	Bare copper
Insulation	Polyolefin
Insulation colour	Black w. number + yellow/green
Taping	Non woven tape
Shielding	85 ± 5% tinned copper braid coverage
Outer sheath	PVC
Sheath colour	Grey RAL 7001

### Dimensional characteristics

Conductor cross-section	0.5 mm <sup>2</sup>
Number of cores	12
Outer Diameter	9.6 mm



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

Approximate weight	131 kg/km
Copper content	86 kg/km

### Electrical characteristics

Rated Voltage U <sub>0</sub> /U	1000 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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Oil resistance  
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