

# LC CABLOFLEX - 0,5mm<sup>2</sup> to 2,5mm<sup>2</sup>/PVC/ unshielded

LC CABLOFLEX 7 x 1,0 mmq

## Contact

Market and products information  
automation.business@nexans.com

Nexans Ref.: 10555184

Control cables for dynamic application up to 600V, PVC jacket, unshielded, oil resistant, flame retardant, UL and CSA approved

## DESCRIPTION

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



## STANDARDS

### International

UL and CSA approval



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

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## CHARACTERISTICS

### Construction characteristics

Construction type	7G1
Conductor material	Bare copper
Insulation	Polyolefin
Insulation colour	Black numbered Yellow/Green
Taping	Non woven tape
Outer sheath	PVC
Sheath colour	Grey RAL 7001

### Dimensional characteristics

Conductor cross-section	1 mm <sup>2</sup>
Number of cores	7
Outer Diameter	8.5 mm
Approximate weight	115 kg/km
Copper content	70 kg/km

### 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