

LC CABLOFLEX - 0,5mm² to 2,5mm²/PVC/ unshielded

LC CABLOFLEX 6 x 1,0 mmq

Contact

Market and Product Information
automation.business@nexans.com

Nexans Ref.: F110006T100

Country Ref.: F110006T100

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	6G1
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 ²
Number of cores	6
Outer Diameter	8 mm
Approximate weight	95 kg/km
Copper content	60 kg/km

Electrical characteristics

Rated Voltage U ₀ /U	600 V
Test voltage	4000 V

Mechanical characteristics

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

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