



Country Ref.: Q201408E100

### CONTACT

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Twisted pair (TP) control cables for data and signal transmission in dynamic application and use in drag chains, PVC jacket, shielded, 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	(8x2x0,14)C
Conductor material	Bare copper
Insulation	Polyolefin
Insulation colour	DIN 47100
Taping	Non woven tape
Shielding	≥85% tinned copper braid coverage
Outer sheath	PVC
Sheath colour	Grey RAL 7001

### Dimensional characteristics

Conductor cross-section	0.14 mm <sup>2</sup>
Number of cores	16
Outer Diameter	7.4 mm
Copper content	38.3 kg/km
Approximate weight	78 kg/km



Operating temp.  
-5 ... 80 °C



Storage temperature, range  
-30 ... 80 °C



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



Oil resistance  
EN 50363-4-1

**Electrical characteristics**

Rated Voltage U <sub>0</sub> /U	300 V
Test voltage	1500 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	-30 ... 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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