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CONTACT

Market information
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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	(5x2x0,25)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	0.25 mm ²
Number of cores	10
Outer Diameter	7.3 mm



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

Dimensional characteristics

Copper content	40 kg/km
Approximate weight	70 kg/km

Electrical characteristics

Rated Voltage U ₀ /U	300 V
Test voltage	1500 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	-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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Oil resistance
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