



Country Ref.: Q102512E200
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CONTACT

Market information
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PUR control/signal cables for extremely dynamic and drag-chain application, TPU-jacket, shielded, oil resistant, flame retardant, halogen free, UL and CSA approved

STANDARDS

Product UL and CSA approval

Cables designed for continuous moving application, high flexible, oil resistance, halogen free

Applications:

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

CHARACTERISTICS

Construction characteristics

Construction type	(12x0,25)C
Conductor material	Bare copper
Insulation	Polyolefin
Insulation colour	DIN 47100
Taping	Non woven tape
Shielding	≥85% tinned copper braid coverage
Outer sheath	PUR
Sheath colour	Grey RAL 7001
Halogen free	Yes

Dimensional characteristics

Conductor cross-section	0.25 mm ²
Number of cores	12
Outer Diameter	7.2 mm



Halogen free
Yes



Operating temp.
-30 ... 80 °C



Storage temperature, range
-40 ... 80 °C



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



Oil resistance
EN 50363-10-2

Dimensional characteristics

Copper content	43.4 kg/km
Approximate weight	70 kg/km

Electrical characteristics

Rated Voltage U ₀ /U	300 V
Test voltage	1500 V

Mechanical characteristics

Bending cycles	10 Mio.
Speed	600 m/min
Maximum acceleration	60 m/s ²

Usage characteristics

Field of application	Dynamic
Operating temperature, range	-30 ... 80 °C
Minimum dynamic operating bending radius	6.5 (xD)
Storage temperature, range	-40 ... 80 °C
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1
Oil resistance	EN 50363-10-2



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