



Country Ref.: Q103416E200

#### CONTACT

Market information  
[industryprojects.business@lynxogroup.com](mailto:industryprojects.business@lynxogroup.com)

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	(16x0,34)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	0.34 mm <sup>2</sup>
Number of cores	16
Outer Diameter	7.8 mm
Copper content	68.9 kg/km



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**

Approximate weight 112 kg/km

**Electrical characteristics**

Rated Voltage U<sub>0</sub>/U 300 V

Test voltage 1500 V

**Mechanical characteristics**

Bending cycles 10 Mio.

Speed 600 m/min

Maximum acceleration 60 m/s<sup>2</sup>

**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

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Oil resistance EN 50363-10-2



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