



**Reference:** 10576844  
**Country Ref.:** Q103404E200

#### 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  | (4x0,34)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         | 4                    |
| Outer Diameter          | 5.2 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     | 23 kg/km |
| Approximate weight | 41 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                      |
| Flame retardant                          | IEC/EN 60332-1-2; FT1; UL 1581 FT1 |
| Oil resistance                           | EN 50363-10-2                      |



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