



**Reference:** 10555184  
**EAN 13:** 8054803081447

#### CONTACT

Market information  
 industryprojects.business@lynxéogroup.com

Control cables for dynamic application up to 1000V, PVC jacket, unshielded, 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  | 7G1                            |
| Conductor material | Bare copper                    |
| Insulation         | Polyolefin                     |
| Insulation colour  | Black w. number + yellow/green |
| Taping             | Non woven tape                 |
| Outer sheath       | PVC                            |
| Sheath colour      | Grey RAL 7001                  |

### Dimensional characteristics

|                         |                   |
|-------------------------|-------------------|
| Conductor cross-section | 1 mm <sup>2</sup> |
| Number of cores         | 7                 |
| Outer Diameter          | 8.5 mm            |
| Approximate weight      | 115 kg/km         |
| Copper content          | 70 kg/km          |



Operating temp.  
-5 ... 80 °C



Storage temperature, range  
-40 ... 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 | 1000 V |
| Test voltage                    | 4000 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               | -40 ... 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                       |



Operating temp.  
-5 ... 80 °C



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



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



Oil resistance  
EN 50363-4-1