



Reference: 10555208
EAN 13: 8054803080969

CONTACT

Market information
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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 | 18G1 |
| 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 ² |
| Number of cores | 18 |
| Outer Diameter | 12.4 mm |
| Approximate weight | 253 kg/km |
| Copper content | 180 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 ₀ /U | 1000 V |
| Test voltage | 4000 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 | -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 |



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