



Reference: 10554669
Country Ref.: Q105004T200
EAN 13: 8054803091729

CONTACT

Market information
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PVC-jacketed control cables with low capacity insulation for high dynamic applications, up to 1000V, PVC jacket, shielded, oil resistant, flame retardant, UL and CSA approved

STANDARDS

Product UL and CSA approval

Cables designed for continuous moving application like energy-chains, use for applications demanding high flexibility, Cablopower cable are oil resistance.

Applications:

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

CHARACTERISTICS

Construction characteristics

| | |
|--------------------|--------------------------------------|
| Construction type | (4G0,50)C |
| Conductor material | Bare copper |
| Insulation | Polyolefin |
| Insulation colour | Black w. number + yellow/green |
| Taping | Non woven tape |
| Shielding | 85 ± 5% tinned copper braid coverage |
| Outer sheath | PVC |
| Sheath colour | Grey RAL 7001 |

Dimensional characteristics

| | |
|-------------------------|---------------------|
| Conductor cross-section | 0.5 mm ² |
| Number of cores | 4 |
| Outer Diameter | 6.3 mm |



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

Dimensional characteristics

| | |
|--------------------|----------|
| Approximate weight | 55 kg/km |
| Copper content | 32 kg/km |

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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