



Reference: 10554910
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CONTACT

Market information
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Controlcables with twisted pairs for data and signal transmission. For extremely dynamic and drag-chain application , shielded, TPU-jacket, 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 | (8x2x0,25)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 | 0.25 mm ² |
| Number of cores | 16 |



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

| | |
|--------------------|------------|
| Outer Diameter | 9.3 mm |
| Copper content | 63.3 kg/km |
| Approximate weight | 122 kg/km |

Electrical characteristics

| | |
|---------------------------------|--------|
| Rated Voltage U _o /U | 300 V |
| Test voltage | 1500 V |

Mechanical characteristics

| | |
|----------------------|---------------------|
| Bending cycles | 10 Mio. |
| Speed | 600 m/min |
| Maximum acceleration | 60 m/s ² |

Usage characteristics

| | |
|--|------------------------------------|
| Field of application | Dynamic |
| Operating temperature, range | -30 ... 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 50363-10-2 |



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