



Control cables for extrem torsion applications MOTIONLINE® PREMIUM

### STANDARDS

**Product** UL and CSA approval

Control cables for extrem torsion applications; PUR jacket, TPM insulation, screened, resistant to oils and coolants, notch resistant, flame retardant, resistant to hydrolysis and microbes, PVC- and halogen-free.

**Reference:** 49280260

### CONTACT

Market information  
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Halogen free  
**Yes**



Operating temp.  
 -30 ... 80 °C



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



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



Oil resistance  
 DIN EN 50363-10-2 & DIN EN 60811-404

## CHARACTERISTICS

### Construction characteristics

|                    |  |
|--------------------|--|
| Construction type  | (4x2x0,25+2x0,5)StD                                |
| Conductor material | Bending-resistant conductor with bare copper wires |
| Insulation         | TPM with very low capacitance                      |
| Insulation colour  | Please request detailed data sheet                 |
| Lay Up             | Please request detailed data sheet                 |
| Shielding          | Please request detailed data sheet                 |
| Outer sheath       | PUR  |
| Sheath colour      | Orange RAL 2003                                    |
| Halogen free       | Yes  |

### Dimensional characteristics

|                    |          |
|--------------------|----------|
| Outer Diameter     | 8.7 mm   |
| Copper content     | 55 kg/km |
| Approximate weight | 93 kg/km |

### Electrical characteristics

|                                 |        |
|---------------------------------|--------|
| Rated Voltage U <sub>0</sub> /U | 300 V  |
| Test voltage                    | 1500 V |

### Mechanical characteristics

|  |          |
|--|----------|
| <b>Torsion test max. +/- 4 turns for 10 meters</b> | 180°/m   |
| Bending cycles                                     | 5 Mio.   |
| Speed  | 180° / s |

### Usage characteristics

|                              |                                      |
|------------------------------|--------------------------------------|
| Field of application         | Dynamic                              |
| Operating temperature, range | -30 ... 80 °C                        |
| Storage temperature, range   | -40 ... 80 °C                        |
| Flame retardant              | IEC 60332-1-2; UL 1581 FT1           |
| Oil resistance               | DIN EN 50363-10-2 & DIN EN 60811-404 |