



Motor cables for extrem torsion applications MOTIONLINE® PREMIUM

### STANDARDS

**Product** UL and CSA approval

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

**Reference:** 49251210

### 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

Conductor material	Bending-resistant conductor with bare copper wires
Insulation	TPM with very low capacitance
Lay Up	Power cores stranded with filler and wrapped with tape
Insulation colour	Black w. number + yellow/green
Construction type	3 x 25
Outer sheath	PUR
Sheath colour	Black - RAL 9005
Halogen free	Yes

### Dimensional characteristics

Outer Diameter	23.5 mm
Copper content	722 kg/km
Approximate weight	941 kg/km

### Electrical characteristics

Rated Voltage U <sub>0</sub> /U	0.6/1 kV
Test voltage	4000 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