



Servo cables for extrem torsion applications MOTIONLINE® PREMIUM

STANDARDS

Product UL and CSA approval

Motor 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: 49400410

CONTACT

Market information
industryprojects.business@lynxgroup.com



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 and pair stranded with fillers and wrapped
Construction type	(4x2,5+2x1,0)D
Screen	Tinned copper spiral, coverage ≥ 90%
Outer sheath	PUR
Sheath colour	Black - RAL 9005
Halogen free	Yes

Dimensional characteristics

Outer Diameter	11.9 mm
Copper content	149 kg/km
Approximate weight	221 kg/km

Electrical characteristics

Rated Voltage U _o /U	0.6/1 kV
Test voltage	4000 V

Mechanical characteristics

Torsion test max. +/- 4 turns for 10 meters	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