



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.

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 and pair stranded with fillers and wrapped
Screen	Tinned copper spiral, coverage ≥ 90%
Outer sheath	PUR
Halogen free	Yes

Electrical characteristics

Rated Voltage U ₀ /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

PRODUCT LIST

Reference	Country Ref.	Name	Construction type	Outer Diameter [mm]	Copper content [kg/km]
☎ 49400410	-	SERVO CABLES FOR ROBOT APPLICATION (4x2,5+2x1,0)D	(4x2,5+2x1,0)D	11.9	149
☎ 49280161	-	SERVO CABLES FOR ROBOT APPLICATION (4x1,0+2x(2x0,75)StC)D	(4x1,0+2x(2x0,75)StC)D	12.5	138

☎ = Make to order, 📦 = In stock,