

SERVO CABLES WITH LOW CAPACITANCE ACC. TO SEW® STANDARD



Servo cables for extremely dynamic applications. MOTIONLINE® PREMIUM

STANDARDS

Product UL and CSA approval

Servo cables for extremely dynamic applications; PUR jacket, 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
 -50 ... 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	
Insulation colour	Black - white marking U/L1/C/L + V/L2 W/L3/D/L - Yellow/ Green
Screen	Tinned copper braid, coverage ≥ 85%
Outer sheath	PUR
Sheath colour	Orange RAL 2003
Halogen free	Yes

Electrical characteristics

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

Mechanical characteristics

Bending cycles	5 Mio.
Speed	300 m/min
Maximum acceleration	50 m/s ²

Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	7.5 (xD)
Operating temperature, range	-30 ... 80 °C
Storage temperature, range	-50 ... 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]
☎ 49403061	-	SERVO CABLES WITH LOW CAPACITANCE ACC. TO SEW® STANDARD (4G1,5)C	4G1.5 C	12	95
☎ 49403261	-	SERVO CABLES WITH LOW CAPACITANCE ACC. TO SEW® STANDARD (4G2,5)C	4G2.5 C	14.1	148

☎ = Make to order, 📦 = In stock,