



Servo cables for extremely dynamic applications with control triple MOTIONLINE® PREMIUM

### STANDARDS

**Product** UL and CSA approval

Servo cables with control triple 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  
[industryprojects.business@lynxgroup.com](mailto:industryprojects.business@lynxgroup.com)



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	power cores and control triple stranded with filler
Insulation colour	Power: U/L1/C/L+ // V/L2 // W/L3/D/L- // Ye/Gn Control triple: black cores, white numbered 1-2-3
Individual screen	Signal screen: Tinned copper braid, coverage ≥85%
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 <sup>2</sup>

### 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]
☎ 49403161	-	SERVO CABLES WITH LOW CAPACITANCE ACC. TO SEW® STANDARD (4G1,5+(3x1,0)C) C	(4G1.5+(3x1.0)C)C	15.4	166
☎ 49403361	-	SERVO CABLES WITH LOW CAPACITANCE ACC. TO SEW® STANDARD (4G2,5+(3x1,0)C) C	(4G2.5+(3x1.0)C)C	17	208

☎ = Make to order, 📦 = In stock,