



Servo cables with control pair for very dynamic applications MOTIONLINE® ADVANCED

### STANDARDS

**Product** UL and CSA approval

Servo cables with control pair for very 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.  
 -15 ... 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

Construction type	(4G1.5 + (2x1.5)C)C
Conductor material	Bending-resistant conductor with bare copper wires
Insulation	TPM with very low capacitance
Lay Up	power cores and control pairs stranded with filler
Insulation colour	Power: Black - White marking U/L1/C/L+ V/L2 W/L3/D/L- Yellow/ Green; Signal: Black+White
Screen	Tinned copper braid, coverage ≥ 85%
Individual screen	Signal screen: Tinned copper braid, coverage ≥85%
Outer sheath	PUR
Sheath colour	Orange RAL 2003
Halogen free	Yes

### Dimensional characteristics

Outer Diameter	- mm
Copper content	- kg/km
Approximate weight	- kg/km

### Electrical characteristics

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

### Mechanical characteristics

Bending cycles	10 Mio.
Speed	180 m/min
Maximum acceleration	20 m/s <sup>2</sup>

### Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	10 (xD)
Operating temperature, range	-15 ... 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