



Reference: 49475260

### CONTACT

Market information  
industryprojects.business@lynxeogroup.com

Servo cables for extremely dynamic applications. MOTIONLINE® ADVANCED

### STANDARDS

**Product** UL and CSA approval

Servo cables 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.



Halogen free  
Yes



Operating temp.  
-15 ... 80 °C



Storage temperature, range  
- °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	4G4 C
Conductor material	Bending-resistant conductor with bare copper wires
Insulation	TPM with very low capacitance
Lay Up	Power cores stranded with filler
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

### Dimensional characteristics

Outer Diameter	11.5 mm
Copper content	193 kg/km
Approximate weight	245 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	- °C
Flame retardant	IEC 60332-1-2; UL 1581 FT1
Oil resistance	DIN EN 50363-10-2 & DIN EN 60811-404