

# SERVO CABLES WITH INNER JACKET ACC. TO SEW® STANDARD

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Servo cables for extremely dynamic applications. MOTIONLINE® PREMIUM

## STANDARDS

**Product** UL and CSA approval

Servo cables for extremely dynamic applications; PUR jacket, TPE inner 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**

Construction type	4G1.5 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
Inner sheath	TPE compound, optimized for drag chain use
Outer sheath	PUR
Sheath colour	Orange RAL 2003
Halogen free	Yes
Screen	Tinned copper braid, coverage ≥ 80%

**Dimensional characteristics**

Outer Diameter	10.4 mm
Copper content	86 kg/km
Approximate weight	160 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	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