



Reference: 10565730

### CONTACT

Market information  
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Servo motor cables for high demanding applications in terms of temperature and mechanical stress.

### STANDARDS

**Product** UL and CSA approval

Servo motor cables for high demanding applications in terms of temperature and mechanical stress. Flame retardant, oil resistant, PVC- and halogen free. Conform to Reach and RoHs. These cables can withstand operating temperatures up to 90°.

## CHARACTERISTICS

### Construction characteristics

Construction type	(4G1,5)C
Conductor material	Bare copper
Insulation	Polyolefin-based compound
Insulation colour	Black - white marking U/L1/C/L + V/L2 W/L3/D/L - Yellow/Green
Lay Up	The elements are assembled to form cable core, with fillers if necessary
Taping	Non woven tape
Shielding	80% tinned copper braid coverage
Outer sheath	PUR
Sheath colour	Orange RAL 2003
Halogen free	Yes

### Dimensional characteristics

Conductor cross-section	- mm <sup>2</sup>
Nominal outer diameter	9.1 mm



Halogen free  
Yes



Operating temp.  
-30 ... 90 °C



Storage temperature, range  
-50 ... 90 °C



Oil resistance  
EN 50363-10-2 , EN 60811-2-1



Flame retardant  
IEC 60332-1-2 , UL Cable Flame , CSA , FT1

#### Dimensional characteristics

Copper content	98 kg/km
Approximate weight	150 kg/km

#### Electrical characteristics

Rated Voltage U <sub>0</sub> /U	0.6/1 kV
Test voltage	4000 V

#### Mechanical characteristics

Maximum acceleration	50 m/s <sup>2</sup>
Bending cycles	10 Mio.
Speed	300 m/min

#### Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	7.5 (xD)
Operating temperature, range	-30 ... 90 °C
Storage temperature, range	-50 ... 90 °C
Oil resistance	EN 50363-10-2 , EN 60811-2-1
Flame retardant	IEC 60332-1-2 , UL Cable Flame , CSA , FT1



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