

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

### STANDARDS

**Product** UL and CSA approval

Servo cables suitable 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°.



**Reference:** 10565716

### CONTACT

Market information  
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## CHARACTERISTICS

### Construction characteristics

Construction type	(4G16 + (2x1.5)C)
Conductor material	Bare copper
Insulation	Polyolefin-based compound
Insulation colour	Power: U/L1/C/L+ V/L2 W/L3/D/L- Ye/GN; Signal: Black - White
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

Nominal outer diameter	23.1 mm
Copper content	890 kg/km



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

Approximate weight 1090 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

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