

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°.



### CONTACT

Market information  
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## CHARACTERISTICS

### Construction characteristics

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

### 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.



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

### Mechanical characteristics

Speed 300 m/min

### Usage characteristics

Field of application Dynamic

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

### PRODUCT LIST

Reference	Country Ref.	Name	Construction type	Nominal outer diameter [mm]	Copper content [kg/km]
📦 10561457	-	P90° (4G1,5+(2x1,5)C) C	(4G1.5 + (2x1.5)C) C	11.6	165
📦 10565713	-	P90° (4G2,5+(2x1,5)C) C	(4G2.5 + (2x1.5)C) C	13.4	208
📦 10565714	-	P90° (4G4+(2x1,5)C)C	(4G4 + (2x1.5)C)C	14.8	286
☎ 10561458	-	P90° (4G6+(2x1,5)C)C	(4G6 + (2x1.5)C)C	16.8	402
☎ 10565715	-	P90° (4G10+(2x1,5)C)C	(4G10 + (2x1.5)C)C	19.4	615
☎ 10565716	-	P90° (4G16+(2x1,5)C)C	(4G16 + (2x1.5)C)C	23.1	890
☎ 10561459	-	P90° (4G25+(2x1,5)C)C	(4G25 +(2x1.5)C)C	26.6	1276
☎ 10565717	-	P90° (4G35+(2x1,5)C)C	(4G35 +(2x1.5)C)C	30.9	1701
☎ 10565718	-	P90° (4G50+(2x1,5)C)C	(4G50 + (2x1.5)C)C	34.0	2387

☎ = Make to order, 📦 = In stock,



Halogen free  
Yes



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-30 ... 90 °C



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



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