



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°.

### CONTACT

Market information  
[industryprojects.business@lynxgroup.com](mailto:industryprojects.business@lynxgroup.com)

## CHARACTERISTICS

### Construction characteristics

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

### 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]
 10565719	-	P90° (4G1,0)C	(4G1)C	8.1	69
 10565730	-	P90° (4G1,5)C	(4G1,5)C	9.1	98
 10565731	-	P90° (4G2,5)C	(4G2,5)C	10.6	145
 10565732	-	P90° (4G4)C	(4G4)C	11.9	215
 10565733	-	P90° (4G6)C	(4G6)C	14.5	345
 10565734	-	P90° (4G10)C	(4G10)C	17.5	531
 10565735	-	P90° (4G16)C	(4G16)C	21.6	832
 10565736	-	P90° (4G25)C	(4G25)C	25.2	1215
 10565737	-	P90° (4G35)C	(4G35)C	28.6	1506
 10565738	-	P90° (4G50)C	(4G50)C	33.4	2153

 = Make to order,  = In stock,



Halogen free  
Yes



Operating temp.  
-30 ... 90 °C



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



Oil resistance  
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