



CONTACT

Market information
 industryprojects.business@lynx^{eo}.com
 ogroup.com

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

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 ₀ /U	0.6/1 kV
Test voltage	4000 V

Mechanical characteristics

Maximum acceleration	50 m/s ²
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
EN 50363-10-2 , EN 60811-2-1



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