



Servo cables for extremely dynamic applications. MOTIONLINE® ADVANCED

### STANDARDS

**Product** UL and CSA approval

Servo cables for very dynamic applications; PUR Jacket; screened, resistant to oils and coolants, notch resistant, flame retardant, resistant to hydrolysis and microbes, PVC- and halogen-free.

### CONTACT

Market information  
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Halogen free  
Yes



Operating temp.  
-15 ... 80 °C



Storage temperature, range  
-50 ... 80 °C



Flame retardant  
IEC 60332-1-2; UL 1581 FT1



Oil resistance  
DIN EN 50363-10-2 & DIN EN 60811-404

## CHARACTERISTICS

### Construction characteristics

Conductor material	Bending-resistant conductor with bare copper wires
Insulation	TPM with very low capacitance
Lay Up	Power cores stranded with filler
Insulation colour	Black - white marking U/L1/C/L + V/L2 W/L3/D/L - Yellow/ Green
Screen	Tinned copper braid, coverage ≥ 85%
Outer sheath	PUR
Sheath colour	Orange RAL 2003
Halogen free	Yes

### Electrical characteristics

Rated Voltage Uo/U	0.6/1 kV
Test voltage	4000 V

### Mechanical characteristics

Bending cycles	10 Mio.
Speed	180 m/min
Maximum acceleration	20 m/s <sup>2</sup>

### Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	10 (xD)
Operating temperature, range	-15 ... 80 °C
Storage temperature, range	-50 ... 80 °C
Flame retardant	IEC 60332-1-2; UL 1581 FT1
Oil resistance	DIN EN 50363-10-2 & DIN EN 60811-404

## PRODUCT LIST

Reference	Country Ref.	Name	Construction type	Outer Diameter [mm]	Copper content [kg/km]
☎ 49475060	-	SERVO MOTOR CABLES 800ratio (4G1,5)C	4G1.5 C	8.3	79
☎ 49475160	-	SERVO MOTOR CABLES 800ratio (4G2,5)C	4G2.5 C	9.9	120
☎ 49475260	-	SERVO MOTOR CABLES 800ratio (4G4)C	4G4 C	11.5	193
☎ 49475360	-	SERVO MOTOR CABLES 800ratio (4G6)C	4G6 C	13.8	290
☎ 49475460	-	SERVO MOTOR CABLES 800ratio (4G10)C	4G10 C	17.1	452
☎ 49475560	-	SERVO MOTOR CABLES 800ratio (4G16)C	4G16 C	20.5	721
☎ 49475660	-	SERVO MOTOR CABLES 800ratio (4G25)C	4G25 C	25.5	1100

☎ = Make to order, 📦 = In stock,

Reference	Country Ref.	Name	Construction type	Outer Diameter [mm]	Copper content [kg/km]
☎ 49475760	-	SERVO MOTOR CABLES 800ratio (4G35)C	4G35 C	28.5	1510
☎ 49475860	-	SERVO MOTOR CABLES 800ratio (4G50)C	4G50 C	34	2130

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