



Servo cables for extremely dynamic applications. MOTIONLINE® PREMIUM

Servo cables for extremely dynamic applications; PUR jacket, TPE inner 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.  
 -30 ... 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
Inner sheath	TPE compound, optimized for drag chain use
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	300 m/min
Maximum acceleration	50 m/s <sup>2</sup>

### Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	7.5 (xD)
Operating temperature, range	-30 ... 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]
☎	-	SERVO CABLE WITH INNER JACKET (4G1,5)C	4G1.5 C	10.4	86
☎	-	SERVO CABLE WITH INNER JACKET (4G2,5)C	4G2.5 C	11.9	129
☎	-	SERVO CABLE WITH INNER JACKET (4G6)C	4G6 C	15.7	269
☎	-	SERVO CABLE WITH INNER JACKET (4G10)C	4G10 C	18.6	450
☎	-	SERVO CABLE WITH INNER JACKET (4G25)C	4G25 C	27.3	1060
☎	-	SERVO CABLE WITH INNER JACKET (4G4)C	4G4 C	13.6	206
☎	-	SERVO CABLE WITH INNER JACKET (4G16)C	4G16 C	22.6	731

☎ = Make to order, 📦 = In stock,