



Servo cables for extremely dynamic applications with control triple MOTIONLINE® PREMIUM

STANDARDS

Product UL and CSA approval

Servo cables with control triple 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
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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 and control triple stranded with filler
Insulation colour	Power: U/L1/C/L+ // V/L2 // W/L3/D/L- // Ye/Gn Control triple: black cores, white numbered 1-2-3
Inner sheath	TPE compound, optimized for drag chain use
Individual screen	Signal screen: Tinned copper braid, coverage ≥85%
Screen	Tinned copper braid, coverage ≥ 85%
Outer sheath	PUR
Sheath colour	Orange RAL 2003
Halogen free	-

Electrical characteristics

Rated Voltage U ₀ /U	0.6/1 kV
Test voltage	4000 V

Mechanical characteristics

Bending cycles	5 Mio.
Speed	300 m/min
Maximum acceleration	50 m/s ²

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]
☎ 49308561	-	SERVO CABLES WITH INNER JACKET ACC. TO SEW® STANDARD (4G1,5+(3x1,0)C)C	(4G1.5+(3x1.0)C)C	12.7	139
☎ 49308661	-	SERVO CABLES WITH INNER JACKET ACC. TO SEW® STANDARD (4G2,5+(3x1,0)C)C	(4G2.5+(3x1.0)C)C	14.2	183
☎ 49308761	-	SERVO CABLES WITH INNER JACKET ACC. TO SEW® STANDARD (4G4+(3x1,0)C)C	(4G4+(3x1.0)C)C	15.8	262
☎ 49308861	-	SERVO CABLES WITH INNER JACKET ACC. TO SEW® STANDARD (4G6+(3x1,0)C)C	(4G6+(3x1.5)C)C	18	354
☎ 49308961	-	SERVO CABLES WITH INNER JACKET ACC. TO SEW® STANDARD (4G10+(3x1,0)C)C	(4G10+(3x1.5)C)C	20.5	522
☎ 49309160	-	SERVO CABLES WITH INNER JACKET ACC. TO SEW® STANDARD (4G16+(3x1,0)C)C	(4G16+(3x1.5)C)C	24.7	801

☎ = Make to order, 📦 = In stock,