



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

STANDARDS

Product UL and CSA approval

Servo cables with control pair for extremely 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



Operating temp.
-30 ... 80 °C



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



IEC 60332 - 1 - 2; UL 1581 FT1



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

CHARACTERISTICS

	Bending - resistant conductor with bare copper wires TPM with very low capacitance
Lay Up	power cores and control pairs stranded with filler
Insulation colour	Power: Black - White marking U/L1/C/L+ V/L2 W/L3/D/L - Yellow/Green; Signal: Black+White
Individual screen	Signal shield: Tinned copper braid, coverage > =80% Tinned copper braid, coverage 85%
Sheath colour	PUR Orange RAL 2003
Halogen free	
Rated Voltage Uo/U	0.6/1 kV 4000 V
Bending cycles	10 Mio.
Speed	300 m/min
Maximum acceleration	50 m/s ²
Field of application	Dynamic
Minimum dynamic operating bending radius	7.5 (xD)
操作度范	- 30 ... 80 ° C
Storage temperature, range	- 50 ... 80 ° C
Oil resistance	IEC 60332 - 1 - 2; UL 1581 FT1 DIN EN 50363 - 10 - 2 & DIN EN 60811 - 404

PRODUCT LIST

Reference	Country Ref.	Name	[mm]	Copper content [kg/km]
☎ 49494061	6FX8008 - 1BA11 - Plus	SERVO CABLE ACC TO SIEMENS STANDARD (4G1,5+(2x1,5)C)C	(4G1.5 + (2x1.5)C)C 11.6	138
☎ 49494161	6FX8008 - 1BA21 - Plus	SERVO CABLE ACC TO SIEMENS STANDARD (4G2,5+(2x1,5)C)C	(4G2.5 + (2x1.5)C)C 13.3	182
☎ 49494261	6FX8008 - 1BA31 - Plus	SERVO CABLE ACC TO SIEMENS STANDARD (4G4+(2x1,5)C)C	(4G4 + (2x1.5)C)C 14.5	246
☎ 49494361	6FX8008 - 1BA41 - Plus	SERVO CABLE ACC TO SIEMENS STANDARD (4G6+(2x1,5)C)C	(4G6 + (2x1.5)C)C 16.6	335
☎ 49494461	6FX8008 - 1BA51 - Plus	SERVO CABLE ACC TO SIEMENS STANDARD (4G10+(2x1,5)C)C	(4G10 + (2x1.5)C)C 19.1	511
☎ 49494561	6FX8008 - 1BA61 - Plus	SERVO CABLE ACC TO SIEMENS STANDARD (4G16+(2x1,5)C)C	(4G16 + (2x1.5)C)C 22.6	783
☎ 49494661	6FX8008 - 1BA25 - Plus	SERVO CABLE ACC TO SIEMENS STANDARD (4G25+(2x1,5)C)C	(4G25 + (2x1.5)C)C 26.8	1070
☎ 49494761	6FX8008 - 1BA35 - Plus	SERVO CABLE ACC TO SIEMENS STANDARD (4G35+(2x1,5)C)C	(4G35 + (2x1.5)C)C 30.1	1438
☎ 49494861	6FX8008 - 1BA50 - Plus	SERVO CABLE ACC TO SIEMENS STANDARD (4G50+(2x1,5)C)C	(4G50 + (2x1.5)C)C 34.6	2030

☎ = Make to order, 📦 = In stock,