



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Motion Series Plus Cable

NEED CUSTOMS?
See Page 25

- Ideal for Hi-Flex Motion Applications
- Shielded Power and Signal Wires in a Compact Flat Cable
- For 1, 2 or 3 Servo Axes

Cicoil's Motion Series Plus cable is available in a single axis design that may be ganged for 1, 2 or 3 axes servo motion. Each Motion Series Plus cable integrates 6 power conductors and 20 signal wires in a compact flat cable measuring just 0.75" wide by 0.2" thick. The Flex-Sil™ encapsulation provides a solid, one-piece construction that creates a highly durable, flexible flat cable package.



UL MEETS 94V-0 RoHS COMPLIANT REACH COMPLIANT FAA FLAME TESTED

Applications
Linear Motors, Servo and Stepper Motors

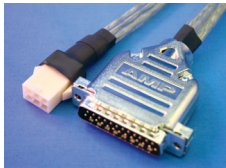
Cable

Amp Rating ¹	No. of Axes	Conductor Gauge		Dimensions [inches]		Part Number
		Power	Signal	Width	Height	
7	1	22 AWG/3 pr	28 AWG/10 pr	0.75	0.20	MCP-2000-1
	2	22 AWG/6 pr	28 AWG/20 pr	1.50	0.20	MCP-2000-2
	3	22 AWG/9 pr	28 AWG/30 pr	2.25	0.20	MCP-2000-3

Notes

1. Amp rating is the maximum value for each power conductor at room temperature of 70°F (21°C). Amp rating decreases as temperature increases.

Cable Assemblies



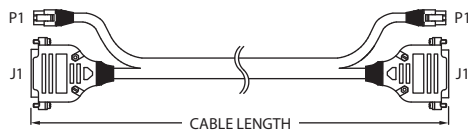
Cable Length (feet)	Part Number Addition
3	-CA003
6	-CA006
12	-CA012

Notes

1. Append onto base cable Part Number for complete assembly. Example: MCP-2000-1-CA003
2. Connector ratings may differ from cable ratings.

Please contact Cicoil for other connectors and length options.

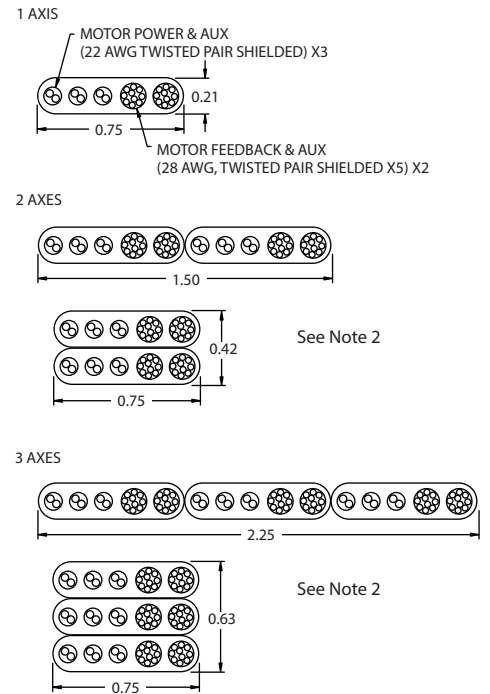
Assembly Dimensions



Connectors

- Power (P1): Tin Contact - TE, P/N 770904-1
9-Pos Housing - TE, P/N 172169-1
- Signal (J1): 25-Pin - Amphenol, P/N L717-DB25P
Metallized Shell - TE, P/N 5748677-3

Dimensions



Notes

2. 2 and 3 axes cables are not bonded.

Cable Specifications

All engineering values are nominal and subject to change.

Mechanical	Environmental
Conductors: Ultra flexible, finely stranded, tinned copper	Temperature Rating: -65°C to +165°C
Shielding: Ultra flexible, braided shields, with 90% nominal coverage	Moisture Rating: Submersible, Salt Water Resistant
Minimum Bend Radius: - 6x cable height for intermediate flex - 10x cable height for continuous flex	Clean Room Rating: Class 1, Zero Particulates
Flex Life: 10,000,000 cycles nominal	Extreme Environments: Sunlight, UV Light, Alcohol, Chemical and Oil Resistant
Outer Jacket Durometer Rating: 65 (Shore A)	Electrical
	Operating Voltage: 300
	Outer Jacket Dielectric Strength: 450 volts/mil (17.7 kv/mm)
	See Electrical Rating Chart on Page 47

Options

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