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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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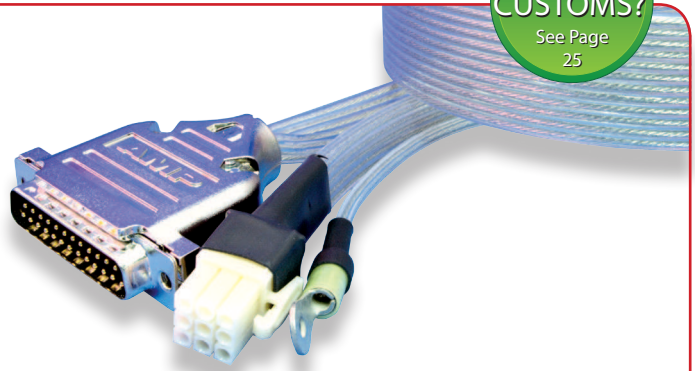


Hi-Flex Unshielded Cable

- Ideal for High Performance Power & Control Applications
- Ultra Flexible Cable for Confined Area and Continuous Motion
- 4 AWG - 28 AWG Conductors Available in 2 - 12 Conductors

Cicoil's line of Hi-Flex Unshielded Cables provides the advantages of all Cicoil flexible cables in a standard, low-cost package. Ultra-flexible, finely stranded wire conductors are used for maximum flexibility and long life in dynamic, flexing applications. Cicoil's patented extrusion process encapsulates the wire conductors in a crystal clear, flexible, yet extremely durable Flexx-Sil™ insulation.

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See Page 25



Applications
Aerospace, Festoon Systems, Robotics, Medical, Oil Drilling, Packaging

Cable

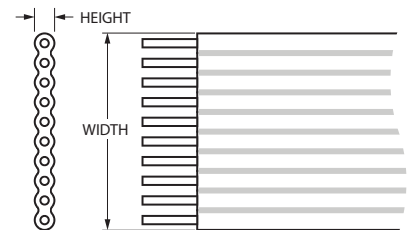
Amp Rating ¹	Volts DC	Conductor Gauge	No. of Conductors	Dimensions [inches]		Part Number
				Width	Height	
5	12K	28 AWG	2	0.13	0.08	969M101-28-2
			3	0.18	0.08	969M101-28-3
			4	0.23	0.08	969M101-28-4
			6	0.33	0.08	969M101-28-6
			8	0.43	0.08	969M101-28-8
			10	0.53	0.08	969M101-28-10
6	12K	26 AWG	2	0.14	0.09	969M101-26-2
			3	0.19	0.09	969M101-26-3
			4	0.25	0.09	969M101-26-4
			6	0.35	0.09	969M101-26-6
			8	0.46	0.09	969M101-26-8
			10	0.57	0.09	969M101-26-10
8	12K	24 AWG	2	0.15	0.10	969M101-24-2
			3	0.21	0.10	969M101-24-3
			4	0.27	0.10	969M101-24-4
			6	0.38	0.10	969M101-24-6
			8	0.50	0.10	969M101-24-8
			10	0.62	0.10	969M101-24-10
11	18K	22 AWG	2	0.18	0.11	969M101-22-2
			3	0.25	0.11	969M101-22-3
			4	0.32	0.11	969M101-22-4
			6	0.45	0.11	969M101-22-6
			8	0.59	0.11	969M101-22-8
			10	0.73	0.11	969M101-22-10
			12	0.87	0.11	969M101-22-12

Note

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

Dimensions

2-12 Conductors



Cable Assemblies - 22-28 AWG



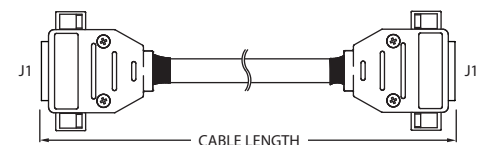
Please contact Cicoil for other connectors and length options.

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

Notes

1. Append onto base cable Part Number for complete assembly. Example: 969M101-28-2-CA003
2. Connector ratings may differ from cable ratings; refer to manufacturer specifications.

Assembly Dimensions



Connectors for 28 AWG

- Signal (J1): 25-Pos D-SUB - Amphenol, P/N L717-DB25P Metallized Shell - TE, P/N 5748677-3

Connectors for 22-26 AWG

- Signal (J1): Gold Contacts - TE, P/N 745254-2
25-Pos D-SUB Housing - TE, P/N 5205208-1

Unshielded

Cable (continued)

Amp Rating ¹	Volts DC	Conductor Gauge	No. of Conductors	Dimensions [inches]		Part Number
				Width	Height	
13	18K	20 AWG	2	0.20	0.12	969M101-20-2
			3	0.28	0.12	969M101-20-3
			4	0.36	0.12	969M101-20-4
			6	0.51	0.12	969M101-20-6
			8	0.67	0.12	969M101-20-8
			10	0.83	0.12	969M101-20-10
20	20K	18 AWG	2	0.24	0.14	969M101-18-2
			3	0.33	0.14	969M101-18-3
			4	0.43	0.14	969M101-18-4
			6	0.62	0.14	969M101-18-6
			8	0.81	0.14	969M101-18-8
			10	1.00	0.14	969M101-18-10
26	20K	16 AWG	2	0.26	0.15	969M101-16-2
			3	0.37	0.15	969M101-16-3
			4	0.48	0.15	969M101-16-4
			6	0.70	0.15	969M101-16-6
			8	0.92	0.15	969M101-16-8
			10	1.14	0.15	969M101-16-10
27	20K	14 AWG	3	0.47	0.19	969M101-14-3
			4	0.61	0.19	969M101-14-4
			8	1.16	0.19	969M101-14-8
36	20K	12 AWG	3	0.58	0.24	969M101-12-3
			4	0.75	0.24	969M101-12-4
47	20K	10 AWG	4	0.92	0.29	969M101-10-4
65	20K	8 AWG	4	1.17	0.35	969M101-8-4
95	20K	6 AWG	4	1.47	0.40	969M101-6-4
125	20K	4 AWG	4	1.64	0.47	969M101-4-4

Note

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

Cable Assemblies – 4-20 AWG



Please contact Cicoil for other connectors and length options.

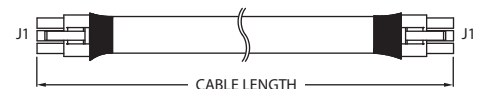


Cable Length (feet)	Part Number Addition
3	-CA003
6	-CA006
12	-CA012

Notes

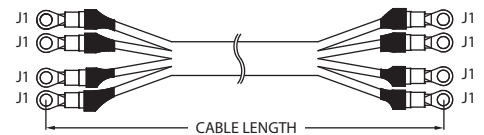
- Append onto base cable Part Number for complete assembly.
Example: 969M101-20-2-CA003
- Connector ratings may differ from cable ratings; refer to manufacturer specifications.

Assembly Dimensions



Connectors for 14-20 AWG

- Signal (J1): Gold Contacts - MOLEX, P/N 02-09-6110
- 15-Pos Housing - MOLEX, P/N 19-09-2159



Connectors for 4-12 AWG

- Signal (J1): Ring Lugs - Typical

Cable Specifications

All engineering values are nominal and subject to change.

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

Options

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