

Flexx-Sil™ Hi-Temp Festoon Cable

NEED CUSTOMS?
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- Rated from -65°C to +165°C
- Ultra Flexible Alternative to PVC & Neoprene Festoon Cables
- Available in 18 AWG to 4 AWG Configurations
- Low Smoke/Zero Halogen (LSZH)

Cicoil's line of Flexx-Sil™ Festoon Cables are designed for continuous flexing, extreme temperature and higher voltage requirement applications. These UV-radiation resistant cables are an excellent alternative to PVC and Neoprene jacketed flat cables that do not provide reliability in severe environments. The clear Flexx-Sil™ jacket makes the cables highly flexible and ideal for extreme temperatures and harsh environments.

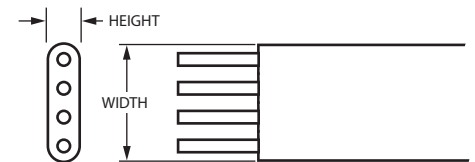


Applications
Festoon Systems, Gantries, Telescoping Jetways, Conveyors, Car Washes

Cable

Amp Rating ¹	Volts DC	Conductor Gauge	No. of Conductors	Dimensions [inches]		Part Number ²
				Width	Height	
15	20K	18 AWG	4	0.43	0.14	CFC-18-4
			4	0.48	0.15	CFC-16-4
19	20K	16 AWG	8	0.92	0.15	CFC-16-8
			12	1.36	0.15	CFC-16-12
27	20K	14 AWG	4	0.61	0.19	CFC-14-4
			8	1.16	0.19	CFC-14-8
36	20K	12 AWG	4	0.75	0.24	CFC-12-4
47	20K	10 AWG	4	0.92	0.29	CFC-10-4
65	20K	8 AWG	4	1.17	0.35	CFC-8-4
95	20K	6 AWG	4	1.47	0.40	CFC-6-4
125	20K	4 AWG	4	1.64	0.47	CFC-4-4

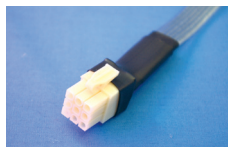
Dimensions



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.
2. High tensile, bare copper, silver plated conductors and insulated wires with specific color codes are available by request. Minimums may apply.

Cable Assemblies



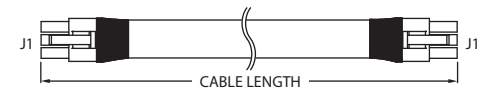
Please contact Cicoil for other connectors and length options.

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

Notes

1. Append onto base cable Part Number for complete assembly. Example: CFC-18-4-CA003
2. Connector ratings may differ from cable ratings; refer to manufacturer specifications.

Assembly Dimensions



Connectors

Wire Gauge	Signal (J1)
18	Gold Contacts - MOLEX, P/N 02-09-6110 9-Pos Housing - MOLEX, P/N 3092092
14-16	Gold Contacts - MOLEX, P/N 02-09-6110 15-Pos Housing - MOLEX, P/N 19-09-2159
4-12	Ring Lugs - Typical

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 (higher temperatures available)
Minimum Bend Radius: - 6x cable height for intermediate flex - 10x cable height for continuous flex	Moisture Rating: Submersible, Salt Water Resistant
Outer Jacket Durometer Rating: 65 (Shore A)	Clean Room Rating: Class 1, Zero Particulates
	Extreme Environments: Sunlight, UV Light, Alcohol, Chemical and Oil Resistant
	Low Smoke/Zero Halogen (LSZH): Has passed testing for smoke, toxicity, flammability and halogen content, by UKAS certified lab
	Electrical
	Outer Jacket Dielectric Strength: 450 volts/mil (17.7 kv/mm)
	See Electrical Rating Chart on Page 47

Options

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Unshielded