

Flexible Coaxial Cables

NEED CUSTOMS?
See Page 25

- Ideal for High Performance Video Transmission Applications
- Ultra Flexible Cable for Confined Area and Continuous Motion
- 1 - 8 Individual 50 or 75 Ohm Coax Conductors

Cicoil Flexible Coaxial Cables are ideal for high speed data and video applications that require flexibility, high & low temperature resistance and protection from very rugged environments. These 50 ohm and 75 ohm low capacitance cables feature low line to line skew, maximum signal integrity, low EMI and suppress crosstalk. And the flat cable construction guarantees clear, high speed data transmission, even in the toughest of environments.



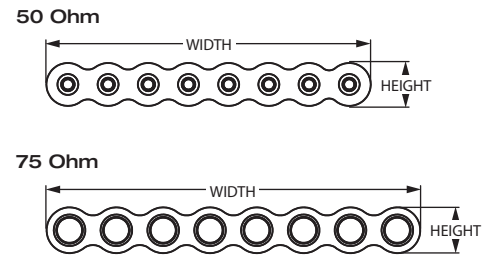
Applications
Aerospace Surveillance, Surgical Robotics, Medical Diagnostics, Automated Test Systems

Cable

Ohms	Amp Rating ¹	Conductor Gauge	No. of Conductors	Dimensions [inches]		Part Number
				Width	Height	
50	3	30 AWG	1	0.12	0.12	FC50-01
			2	0.25	0.12	FC50-02
			4	0.50	0.12	FC50-04
			8	1.01	0.12	FC50-08
75	3	30 AWG	1	0.18	0.18	FC75-01
			2	0.36	0.18	FC75-02
			4	0.73	0.18	FC75-04
			8	1.47	0.18	FC75-08

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



Cable Assemblies

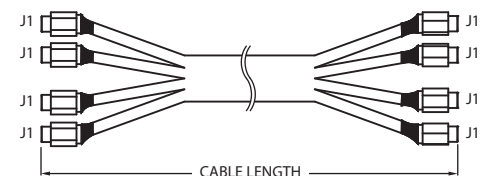


Please contact Cicoil for other connectors and length options.

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

- Notes**
1. Append onto base cable Part Number for complete assembly. Example: FC50-01-CA003
 2. Connector ratings may differ from cable ratings; refer to manufacturer specifications.

Assembly Dimensions



Connectors
• Signal (J1): SMA Male

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
	Outer Jacket Dielectric Strength: 450 volts/mil (17.7 kv/mm)
	<i>See Electrical Rating Chart on Page 47</i>

Options

Page

Additional Conductors	26
Low Friction Options	28
StripMount™ Integrated Mounting Strip	28
Integrated Tubing	29
SuperTuff™ Jacket	29
Colored Jacketing	29
Strip and Tin Cable Ends	29
FlexRail™ Self-Supporting Cable	30
Complete Assembly	31

Data & Video