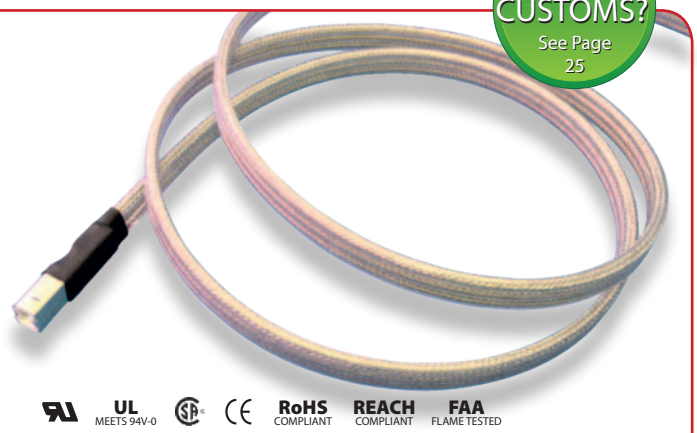
FireWire Cable

NEED CUSTOMS? See Page 25

- Ideal for High Performance Data Transmission
- Ultra Flexible Cable for Confined Area and Continuous Motion
- Exceed FireWire Specs in a Flat, Compact Package

Comprised of 2 individually shielded 22 AWG power wires and 2 individually twisted shielded pairs of 28 AWG 100 ohm twinaxial configuration, Cicoil's Flexx-Sil™ jacketed FireWire cables are designed for highly demanding applications. Unlike typical FireWire cables, the Cicoil cable has been designed for high flexibility, mechanical stress, temperature extremes and harsh environments. And the flat cable construction guarantees clear, high speed data transmission, even in the toughest of environments.



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

Applications
Indoor and Outdoor FireWire Applications

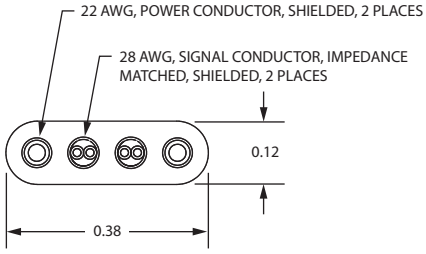
Cable

Amp Rating[1]		Conductor Gauge		Dimensions [inches]		Part Number
Power	Signal	Power	Signal	Width	Height	
8	5	22 AWG/2c	28 AWG/2 pr	0.38	0.12	**FW-1000**

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: FW-1000-CA003
2. Connector ratings may differ from cable ratings; refer to manufacturer specifications.

Assembly Dimensions



Connectors

• Signal (J1): FireWire, P/N 154-FWW15-E

Cable Specifications

All engineering values are nominal and subject to change.

Mechanical

Conductors: Ultra flexible, finely stranded, tinned copper
Shielding: Ultra flexible, braided shields, with 90% nominal coverage
Minimum Bend Radius:
- 6x cable height for intermediate flex
- 10x cable height for continuous flex
Flex Life: 10,000,000 cycles nominal
Outer Jacket Durometer Rating: 65 (Shore A)

Environmental

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

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