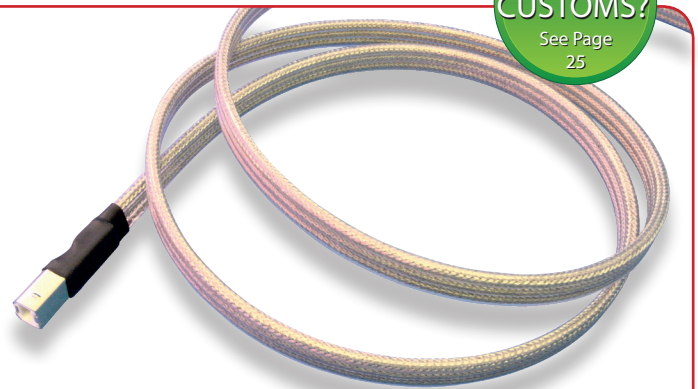


# FireWire Cable

**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.



**Applications**  
Indoor and Outdoor FireWire Applications

## Cable

Amp Rating <sup>1</sup>		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	<b>FW-1000</b>

**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



Please contact Cicoil for other connectors and length options.

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

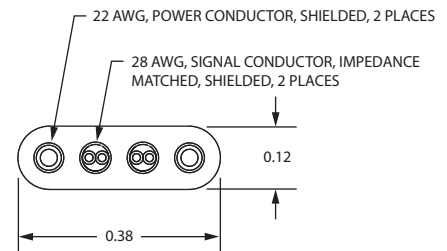
- Notes**
1. Append onto base cable Part Number for complete assembly. Example: FW-1000-CA003
  2. Connector ratings may differ from cable ratings; refer to manufacturer specifications.

## Assembly Dimensions



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

## Dimensions



## Cable Specifications

All engineering values are nominal and subject to change.

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

## Options

## Page

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