IEEE-1394 Firewire Cable, Type 1 - Type 1, 0.5m

Features for this product

- Firewire cable assembly, Type 1 (6 position) to Type 1 connectors
- Simple plug and play connections avoid costly downtime
- Foil plus braid shield provides maximum protection against EMI/RFI
- Molded backshells provide durability and increased strength at cable entry point
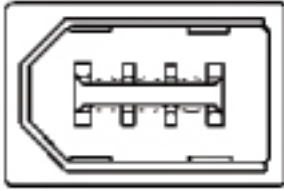- Lengths are 0.5, 1, 2, 3, & 5 meters; color is light gray

Highest quality firewire cables allow for transfer rates up to 400 Mbps and meet the IEEE-1394 specification. These cables allow for simple "plug & play" connections for devices such as printers, scanners, digital cameras and other firewire peripherals. They can also be used to link two computers together for file sharing. Twisted pair data lines help reduce crosstalk while 22 AWG power conductors enable maximum power transfer from host to peripheral. Quantity pricing available, please contact your L-com Sales Representative.

Details for this product

L-com Item #	CSM94-05M
Manufacturer	L-com
UPC #	822335013872
RoHS Status	RoHS Compliant

IEEE-1394 JACK
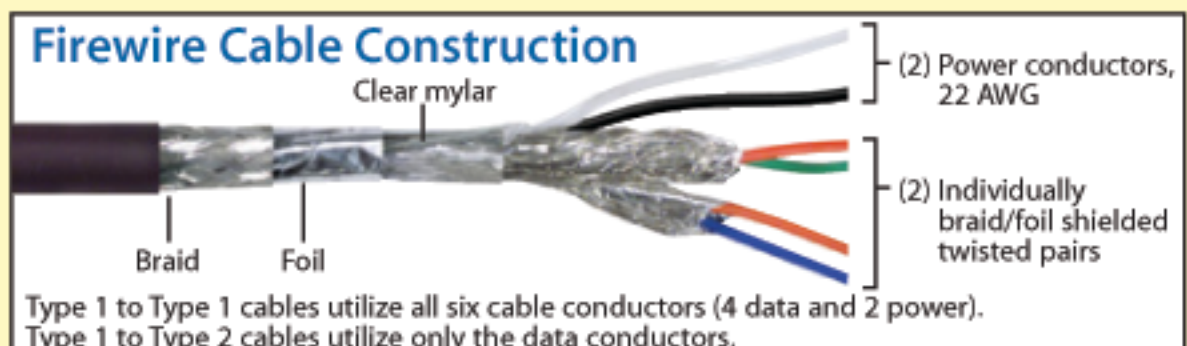
Type 1
Connector

Type 2
Connector

Item #	Description	

IEEE-1394 Firewire Cable Assemblies - Transmission Rates to 400Mbps

Highest quality Firewire cables allow for transfer rates up to 400 Mbps and meet the IEEE-1394 specification. These cables allow for simple Plug and Play connections for devices such as printers, scanners, digital cameras and other firewire peripherals. They can also be used to link two computers together for file sharing. Twisted pair data lines help reduce crosstalk while 22 AWG power conductors enable maximum power transfer from host to peripheral.

☑ IEEE-1394 Firewire Cable, Type 1 - Type 1, PVC Jacket, 30 Microinch Gold

CSM94-05M	IEEE-1394 Firewire Cable, Type 1 - Type 1, 0.5m	
CSM94-1M	IEEE-1394 Firewire Cable, Type 1 - Type 1, 1.0m	
CSM94-2M	IEEE-1394 Firewire Cable, Type 1 - Type 1, 2.0m	
CSM94-3M	IEEE-1394 Firewire Cable, Type 1 - Type 1, 3.0m	
CSM94-5M	IEEE-1394 Firewire Cable, Type 1 - Type 1, 5.0m	

☑ IEEE-1394 Firewire Cable, Type 1 - Type 2, PVC Jacket, 30 Microinch Gold

CSM94-05M2	IEEE-1394 Firewire Cable, Type 1 - Type 2, 0.5m	
CSM94-1M2	IEEE-1394 Firewire Cable, Type 1 - Type 2, 1.0m	
CSM94-2M2	IEEE-1394 Firewire Cable, Type 1 - Type 2, 2.0m	
CSM94-3M2	IEEE-1394 Firewire Cable, Type 1 - Type 2, 3.0m	
CSM94-5M2	IEEE-1394 Firewire Cable, Type 1 - Type 2, 5.0m	

☑ IEEE-1394 Firewire Cable, Type 2 - Type 2, PVC Jacket, 30 Microinch Gold

CSM94-05M3	IEEE-1394 Firewire Cable, Type 2 - Type 2, 0.5m	
CSM94-1M3	IEEE-1394 Firewire Cable, Type 2 - Type 2, 1.0m	
CSM94-2M3	IEEE-1394 Firewire Cable, Type 2 - Type 2, 2.0m	
CSM94-3M3	IEEE-1394 Firewire Cable, Type 2 - Type 2, 3.0m	
CSM94-5M3	IEEE-1394 Firewire Cable, Type 2 - Type 2, 5.0m	

☑ IEEE-1394 Firewire Extension Cable, Type 1 Connectors, PVC Jacket, 30 Microinch Gold

CSM94X-1M	IEEE-1394 Firewire Extension Cable, Type 1 - Type 1, 1.0m	
CSM94X-2M	IEEE-1394 Firewire Extension Cable, Type 1 - Type 1, 2.0m	
CSM94X-3M	IEEE-1394 Firewire Extension Cable, Type 1 - Type 1, 3.0m	

IEEE-1394b Firewire Cable Assemblies - Transmission Rates to 800Mbps

This version of Firewire cable assemblies utilizes a 9 position connector that is compliant with the IEEE-1394b standard. These cables can double the transmission rates of the traditional IEEE-1394a cable assemblies. Cable construction features two individually shielded 26 AWG data pairs plus two 22 AWG power conductors with an overall foil / braid shield and molded backshells. Color is Black.

☑ IEEE-1394b Firewire Cable, Type B - Type 1, PVC Jacket, 30 Microinch Gold

CSM94B1-1M	IEEE-1394b Firewire Cable, Type B - Type 1, 1.0m	
CSM94B1-2M	IEEE-1394b Firewire Cable, Type B - Type 1, 2.0m	
CSM94B1-3M	IEEE-1394b Firewire Cable, Type B - Type 1, 3.0m	
CSM94B1-5M	IEEE-1394b Firewire Cable, Type B - Type 1, 5.0m	

☑ IEEE-1394b Firewire Cable, Type B - Type 2, PVC Jacket, 30 Microinch Gold

CSM94B2-1M	IEEE-1394b Firewire Cable, Type B - Type 2, 1.0m	
CSM94B2-2M	IEEE-1394b Firewire Cable, Type B - Type 2, 2.0m	
CSM94B2-3M	IEEE-1394b Firewire Cable, Type B - Type 2, 3.0m	
CSM94B2-5M	IEEE-1394b Firewire Cable, Type B - Type 2, 5.0m	

☑ IEEE-1394b Firewire Cable, Type B - Type B, PVC Jacket, 30 Microinch Gold

CSM94BB-1M	IEEE-1394b Firewire Cable, Type B - Type B, 1.0m	
CSM94BB-2M	IEEE-1394b Firewire Cable, Type B - Type B, 2.0m	
CSM94BB-3M	IEEE-1394b Firewire Cable, Type B - Type B, 3.0m	
CSM94BB-5M	IEEE-1394b Firewire Cable, Type B - Type B, 5.0m	

Left column image labels:
- CSM94-M
- CSM94-M2
- CSM94-M3
- CSM94X-M
- CSM94B1-M
- CSM94B2-M
- CSM94BB-M

💡 Tip

What is Firewire?

Firewire is an emerging high speed communication interconnect standard defined by IEEE-1394. It was originally developed to connect PCs to other PCs or to peripherals such as digital cameras, camcorders, scanners, etc. Current applications include automotive, telecom, data acquisition, aerospace and a host of others. An attractive advantage is devices are hot pluggable meaning live connection/disconnection without data loss or interruption.

Firewire Cable Construction

- Clear mylar
- (2) Power conductors, 22 AWG
- (2) Individually braid/foil shielded twisted pairs
- Braid
- Foil

Type 1 to Type 1 cables utilize all six cable conductors (4 data and 2 power).
Type 1 to Type 2 cables utilize only the data conductors.

Connectors

- Type 1 Plug
- Type 1 Jack
- Type 2 Plug
- Type 2 Jack
- Type B Plug
- Type B Jack

• Type 1 (6 position) connectors are typically located on computers and hubs.

• Type 2 (4 position) connectors are commonly found on peripheral devices.

• Type B (9 position) connectors are commonly found on computers and hubs.

Topology

Firewire is a serial, bi-directional bus that can be daisy chained or star shaped with the use of a hub. Firewire does not require terminators or manual addressing.

Star Topology

- Scanner
- Hub
- PC
- Digital Camera
- Printer
- Camcorder

Daisy Chain Topology

- Node 1
- Node 2
- Node 3
- Node 4
- Node ≤16

Technical Data: Firewire Limitations

Maximum:	Transmission Rate	Cable Length/ Node	# Nodes/ Chain	End to End Distance/Chain	Nodes w/Bus Bridge
	400 Mbps (800 Mbps Type B-B only)	4.5 meters	16	72 meters	Approx. 2^{16}