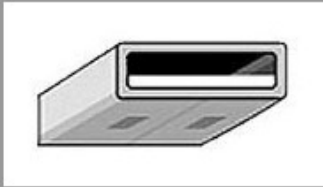





USB, Firewire, eSATA Connectors Guide

The purpose of this guide is to allow you to identify the type of connector you are dealing with, so that you can know exactly what cable to buy. Cables sold by the Tech Store are in the Catalog, and some other cables may be available for special order.

Standard USB Connectors

The most common connection found on computers. There are two main types of connectors USB-A which is used to connect flash drives, external hard drives, MP3 players, mice, keyboards, and printers to your computer. The second type of connector is USB-B which is commonly found on USB printers and some external hard drives.

Type	Connector (Diagram)	Connector (Actual)	Maximum Theoretical Speed
USB (2.0)-A	 <p>USB A (6-pin male)</p>	 <p>USB A (6-pin male)</p>	480 Mbps
USB (2.0) -B	 <p>USB B (4-pin male)</p>	 <p>USB B (4-pin male)</p>	480 Mbps

Non Standard USB Connectors

These connections are not standard. They are normally used with digital cameras or MP3 players.

Type	Female Connector	Male Connector	Commonly Used With
Mini USB 2.0	 <p>Female (5-pin)</p>	 <p>Male (5-pin)</p>	Used on newer Sony and Canon digital cameras.
New Mini USB 4-Position	 <p>Female (5-pin)</p>	 <p>Male (4-pin)</p>	Used on many digital cameras and the iPAQ MP3 player and other MP3 players.
Mini USB 4-Position	 <p>Female (5-pin)</p>	 <p>Male (4-pin)</p>	Used on some digital cameras and other obscure devices. *This cable is not widely used.*

Firewire Connections

Firewire also known as i.Link (Sony's trademarked name for the standard) and IEEE 1394 is a type of connection often found on laptops. It is used for connecting peripherals such as external hard drives and some types of cameras and digital video camcorders to your computer. It can also be used to attach two Mac computers to each other and transfer data from one to another.

Type	Connector (Diagram)	Connector (Actual)	Maximum Theoretical Speed	Delivers Power?
Firewire 400 (4-Pin)	 IEEE-1394 4-pin (male)	 IEEE-1394 4-pin (male)	400 Mbps*	No
Firewire 400 (6-Pin)	 IEEE-1394 6-pin (male)	 IEEE-1394 6-pin (male)	400 Mbps*	Yes**
Firewire 800	IEEE-1394 9-pin (male)	 IEEE-1394 9-pin (male)	800 Mbps	Yes**

*Although these speeds are rated lower than USB 2.0, in actuality, Firewire 400 normally reaches speeds equal to or faster than that of USB 2.0.

**It can only deliver enough power for a 2.5 inch hard drive.

e-SATA

eSATA is used to connect a computer to an external hard drive or external optical drive.

Type	Connector (Diagram)	Connector (Actual)	Maximum Theoretical Speed	Delivers Power?
eSATA	 e-SATA (male)	e-SATA (male)	3 Gbps	No