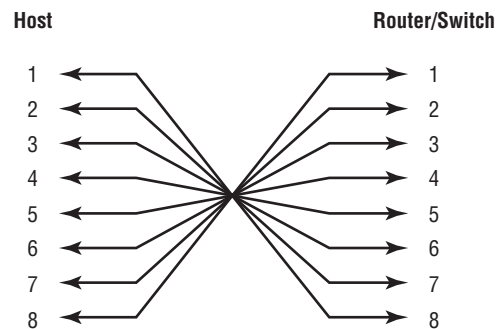


Rolled Cable

Although *rolled cable* isn't used to connect any Ethernet connections together, you can use a rolled Ethernet cable to connect a host to a router console serial communication (com) port.

If you have a Cisco router or switch, you would use this cable to connect your PC running HyperTerminal to the Cisco hardware. Eight wires are used in this cable to connect serial devices, although not all eight are used to send information, just as in Ethernet networking. Figure 1.20 shows the eight wires used in a rolled cable.

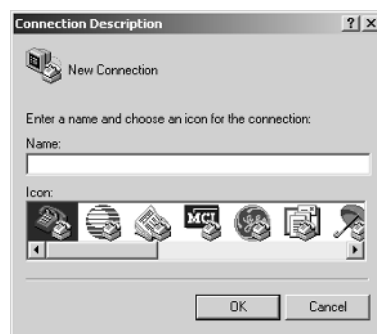
FIGURE 1.20 Rolled Ethernet cable



These are probably the easiest cables to make, because you just cut the end off on one side of a straight-through cable and reverse the end.

Once you have the correct cable connected from your PC to the Cisco router or switch, you can start HyperTerminal to create a console connection and configure the device. Set the configuration as follows:

1. Open HyperTerminal and enter a name for the connection. It is irrelevant what you name it, but I always just use "Cisco." Then click OK.

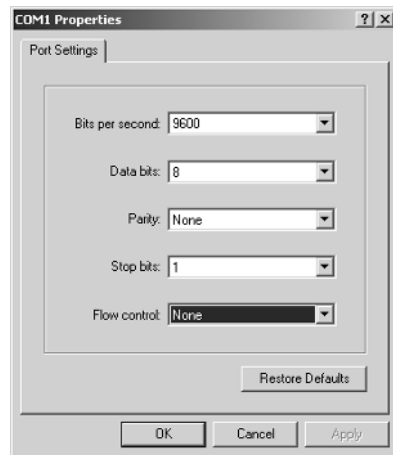


2. Choose the communications port—either COM1 or COM2, whichever is open on your PC.



3. Now set the port settings. The default values (2400bps and no flow control hardware) will not work; you must set the port settings as shown in Figure 1.21.

FIGURE 1.21 Port settings for a rolled cable connection



Notice that the bit rate is now set to 9600 and the flow control is set to none. At this point, you can click OK and press the Enter key, and you should be connected to your Cisco device console port.

Wireless Networking

No book on this subject today would be complete without mentioning wireless networking. That's because two years ago, it just wasn't all that common to find people using this technology—in 1996, a lot of people didn't even have an e-mail address. Sure, some did, but now everyone does, and the