
Subject: Networking Cable

Posted by [_SSnipe_](#) on Fri, 10 Oct 2008 06:26:37 GMT

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My dsl cable modem is in my room with my pc. since we are getting a new router we dont have that much money to get a router and a new network card. we dont want a usb one so. to save money and have a faster internet speed to my downstairs pc we are just got to have a network cable go from router to it. 50 feet wire would do it, now, i dont want any comments on that all i want help on is one problem, which is which type of network cord do i us?. i thought the Ethernet network cord was one of a kind now im learning there types like 5e 5 or 6 or cat 7 and etc. id like to know what would be the best one for me to us with my 10 mb download and 1 upload speed cable?

Subject: Re: Networking Cable

Posted by [Goztow](#) on Fri, 10 Oct 2008 06:28:33 GMT

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You should make your posts understandable by adding punctuation and alineas. Capital letters are also cool. Seriously...

Subject: Re: Networking Cable

Posted by [Xylaquin](#) on Fri, 10 Oct 2008 07:54:59 GMT

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any cable you buy will be sufficient (most likely a cat5). You're looking for a straight-through ethernet cable, the bog standard ones you buy in most stores (except, as you say it has to be long)

Subject: Re: Networking Cable

Posted by [Mauler](#) on Fri, 10 Oct 2008 08:30:57 GMT

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Typically CAT5 cables are used for such set ups

Subject: Re: Networking Cable

Posted by [JPNOD](#) on Fri, 10 Oct 2008 11:41:47 GMT

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Good choice on picking a wire instead of wireless.

Cat5 is enough for this kind of situation. Cat6 is used in the more special places or when you dont want interference.. see SFTP

Not sure about the Cat7 just google it up.

Subject: Re: Networking Cable

Posted by [_SSnipe_](#) on Fri, 10 Oct 2008 15:59:58 GMT

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JPNOD wrote on Fri, 10 October 2008 04:41 Good choice on picking a wire instead of wireless.

Thanks....Why have a cheap wireless card that cost money and weak single added on with the lose of connection every 10 fucking minutes. One little wire going down my stairs who cares right makes everything better. Well said by you guys and some others its between cat 5 and 6....Now which one is the best for my situation? I dont know if cat anything can mess with your download speed I just want which is good enough to work not changing my speed through it. Iv also heard of a cat 5e and not sure if thats better then cat 5 or not as good as cat 6. Which one do you think I should get hoping they dont have a price difference.

Subject: Re: Networking Cable

Posted by [genetix](#) on Sat, 11 Oct 2008 18:21:53 GMT

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Be careful. Networking your house is addicting!

During summer break a year ago I got laid off early so my parents bought the wiring so I could network our house(home office).

I ended up running over 600 feet of Cat6e cabling in the house. We've got almost 30 different extreme rated connections through out the house. Less then a month ago now I ran a cable from the basement(full patch panel for all connections) accross to the other end of the basement, outside to the garage, up the garage wall, into the garage attick, through that to the house attick, then through the side of the house into my second floor bedroom.

For Reference:

Cat5 - old standard networking cable.

Cat5e - new standard, slightly faster.

Cat6(e) - Top of the line home networking cable.

Cat7 - Data Center / Industry only. I uses a different connection end. Cat5, 5e and 6 all use RJ45 I believe is the code for the ends.

FiberOptics - Only show great improvements over long distances.

Most datacenters use fiber optics unless the path distance is under 300 feet. When a patch distance is under 300 feet fiber optics is considered to be equal with cat6e.

Now that the dust has settled I have close to \$800 in networking cable in my house. Wall plates all over the house and a locked down wireless connection. We have 2 home servers/media centers one in my room and one in the living room. 2 IP addresses a public and a private. Public's for my development server.

I ended up buying everything through a electrician's wholesaler place. 1000 Feet of Cat6e cabling was \$200. Crimping tool was \$20, Line Test(you have to test ALL custom made lines) \$60, Patch

cable ends 25 was like \$10. The expensive part is the connection ends that plug into the wall plates. Wholesale rate was \$8 PER END when I installed everything!

There's a big enough speal for anyone thinking about going this route.

Subject: Re: Networking Cable

Posted by [_SSnipe_](#) on Sat, 11 Oct 2008 22:42:46 GMT

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genetix wrote on Sat, 11 October 2008 11:21Be careful. Networking your house is addicting!

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There's a big enough speal for anyone thinking about going this route.
SO I guess its between 6 or cat 7 huh ummmm

Subject: Re: Networking Cable

Posted by [genetix](#) on Sat, 11 Oct 2008 23:11:47 GMT

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I just checked and apparently you can run Cat7 cables with the stand RJ-45 ends. (These are the standard cable ends everyone's familiar with. Normal ethernet plugins)

They apparently use extra shielding which isn't fun to work with! I'd recommend Cat6e if you want the extra speed and bragging rights. It will cost you more but once you have it its done.

BTW, you can buy a patch cable(normal ethernet cord you would use from modem to computer) thats rated to Cat6 on ebay. They're dirt cheap.

For under \$200 you can even buy a starter kit off ebay that gives you everything you need to start making cat6 cables. Its a good thing to learn. Almost all of my cables are custom made. They all fit perfectly. I made them to the exact lengths.

Right now I'm sitting in bed with a cable that reaches perfectly to my laptop and when I put the laptop away I unplug the cord and it reaches to the handle on my dresser. So i just set it ontop of that.

Ethernet Cables Do Break If They Are Moved Too Often!

I had to throw out a lot of the cables we were using before I rewired everything. Once a cable sits to long and gains the shape of how its sitting you can't reuse it. The wires inside break and you will get little to no connection.

Subject: Re: Networking Cable

Posted by [_SSnipe_](#) on Sat, 11 Oct 2008 23:15:49 GMT

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genetix wrote on Sat, 11 October 2008 16:11I just checked and apparently you can run Cat7 cables with the stand RJ-45 ends. (These are the standard cable ends everyone's familiar with. Normal ethernet plugins)

They apparently use extra shielding which isn't fun to work with! I'd recommend Cat6e if you want the extra speed and bragging rights. It will cost you more but once you have it its done.

Then its settle I dont wanna lose any speed im go to cat 6e and also switch my current 1 to 3 feet network cables to cat 6e thanks all.....

Subject: Re: Networking Cable

Posted by [Caveman](#) on Sun, 12 Oct 2008 02:31:51 GMT

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Dude...

Your internet speed is 10% of the total speed you have with a normal Cat5 ethernet cable.. Why

are you spending money on something you can't even use? A normal Base100T is more then you will ever need.

Subject: Re: Networking Cable
Posted by [_SSnipe_](#) on Sun, 12 Oct 2008 03:57:31 GMT
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Caveman wrote on Sat, 11 October 2008 19:31Dude...

Your internet speed is 10% of the total speed you have with a normal Cat5 ethernet cable.. Why are you spending money on something you can't even use? A normal Base100T is more then you will ever need.

Ok now im understanding, I was just having trouble understanding what type of cable to which needs

Subject: Re: Networking Cable
Posted by [Caveman](#) on Sun, 12 Oct 2008 08:36:07 GMT
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Again, 2 seconds in google Cat 5 speed

Subject: Re: Networking Cable
Posted by [EvilWhiteDragon](#) on Sun, 12 Oct 2008 10:40:43 GMT
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Caveman wrote on Sun, 12 October 2008 10:36Again, 2 seconds in google Cat 5 speed
Cat5 indeed, or Cat5e if you are planning on creating a 1Gbit/s network.
But in your case, you'll not need 1Gbit/s, so it would be more cost efficient to get cat5.

Subject: Re: Networking Cable
Posted by [_SSnipe_](#) on Sun, 12 Oct 2008 16:13:02 GMT
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EvilWhiteDragon wrote on Sun, 12 October 2008 03:40Caveman wrote on Sun, 12 October 2008 10:36Again, 2 seconds in google Cat 5 speed
Cat5 indeed, or Cat5e if you are planning on creating a 1Gbit/s network.
But in your case, you'll not need 1Gbit/s, so it would be more cost efficient to get cat5.

nvm

Subject: Re: Networking Cable
Posted by [Goztow](#) on Sun, 12 Oct 2008 16:40:43 GMT
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1 gbps instead of 100 Mbps.

Subject: Re: Networking Cable
Posted by [_SSnipe_](#) on Sun, 12 Oct 2008 16:43:56 GMT
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thanks goz, I Have a friend who also helps me out, He has to master degrees and he answers lot of these questions as well but he takes days to write back thru e-mail lol. Another question is

My internet used to be 6 mb up 754 or something kb down.....Now that's its 10 mp up and 1 mp down you think That by any chance the network cable going from my modem to my router is an old one (like a cat 4 by any chance?) My router gets over heated and disconnects and slows down internet speeds after researching and posting on other forums everyone says its old get a new better one, Which I am Im just saying think it would be wise to by a few extra cat 5e network cables just in case?

Subject: Re: Networking Cable
Posted by [Caveman](#) on Sun, 12 Oct 2008 18:32:04 GMT
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Not a very high chance that it is Cat4.. and even if it was its still capable of giving you your total speed. Just buy the normal Cat5

Subject: Re: Networking Cable
Posted by [_SSnipe_](#) on Sun, 12 Oct 2008 19:50:46 GMT
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Caveman wrote on Sun, 12 October 2008 11:32Not a very high chance that it is Cat4.. and even if it was its still capable of giving you your total speed. Just buy the normal Cat5
Alright thanks for the feed back guys.

Subject: Re: Networking Cable
Posted by [_SSnipe_](#) on Wed, 15 Oct 2008 20:14:31 GMT
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Sorry for the bump but whats the difference between the 5e Network Patch Cable and the 5e Network Crossover Cable?.

Subject: Re: Networking Cable
Posted by [Starbuzz](#) on Wed, 15 Oct 2008 20:16:18 GMT
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SSnipe wrote on Wed, 15 October 2008 15:14 Sorry for the bump but whats the difference between the 5e Network Patch Cable and the 5e Network Crossover Cable?.

<http://www.cat-5-cable-company.com/faq-difference-between-patch-crossover.html>

Subject: Re: Networking Cable
Posted by [Caveman](#) on Wed, 15 Oct 2008 23:00:02 GMT
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Basically you use a cross over cable or just make one with a normal cat5 so you can connect computer A to computer B without having a router/hub in the middle.

Subject: Re: Networking Cable
Posted by [genetix](#) on Wed, 15 Oct 2008 23:01:13 GMT
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I don't know how it is in other parts of the world but I can't buy standard cat5 cables anywhere without seriously hunting... All the cables at any local store around here is atleast Cat5e. The computer specialty shops are changing over to cat6 and don't carry cat5e anymore.

Subject: Re: Networking Cable
Posted by [_SSnipe_](#) on Thu, 16 Oct 2008 01:33:29 GMT
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pawkyfox wrote on Wed, 15 October 2008 13:16 SSnipe wrote on Wed, 15 October 2008 15:14 Sorry for the bump but whats the difference between the 5e Network Patch Cable and the 5e Network Crossover Cable?.

<http://www.cat-5-cable-company.com/faq-difference-between-patch-crossover.html>
Yes im fucking stupid which one is for connecting for connecting modem to router then from router to a pc? the patch cable?

Subject: Re: Networking Cable
Posted by [Starbuzz](#) on Thu, 16 Oct 2008 01:38:55 GMT
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SSnipe wrote on Wed, 15 October 2008 20:33 pawkyfox wrote on Wed, 15 October 2008 13:16 SSnipe wrote on Wed, 15 October 2008 15:14 Sorry for the bump but whats the difference

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Yes, you use the patch cable.

The crossover cable is used usually for connecting 2 computers.

If I have a large amount of data to move from one computer to another, I would use a crossover cable, assign IP's, configure sharing, and start copying/moving files directly into the other computer.

Subject: Re: Networking Cable

Posted by [_SSnipe_](#) on Thu, 16 Oct 2008 01:43:25 GMT

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pawkyfox wrote on Wed, 15 October 2008 18:38SSnipe wrote on Wed, 15 October 2008 20:33pawkyfox wrote on Wed, 15 October 2008 13:16SSnipe wrote on Wed, 15 October 2008 15:14Sorry for the bump but whats the difference between the 5e Network Patch Cable and the 5e Network Crossover Cable?.

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Well we do use file sharing and i do assign ips manuel into the lvp4 settings and I do copy large files sometimes from one pc to other...inc remote desktop using REAL VNC

Subject: Re: Networking Cable

Posted by [genetix](#) on Thu, 16 Oct 2008 02:15:51 GMT

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If you build a simple network you can do the same thing. 1 hub with all the other computers wired into it. You can find hubs everywhere. I was using a series of small 4 and 8 port hubs. With my new setup I'm running a dlink with 40 connections or something. Something big. I'm not even using all of it but its way more convenient since its rackmount.

On a 300 foot span I was transferring at close to 50 mb/second. I should be able to get a little more speed if I clean up the wiring a little. I'm getting some interference and must be getting some signal loss.

Subject: Re: Networking Cable

Posted by [_SSnipe_](#) on Thu, 16 Oct 2008 03:09:59 GMT

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Only thing I got is a modem that connects to a belkin router that connects to my pc (0.5 feet away) and my moms pc (about 50 feet or less feet away) I want the wire for that distance along with the stuff I do without losing speed.
