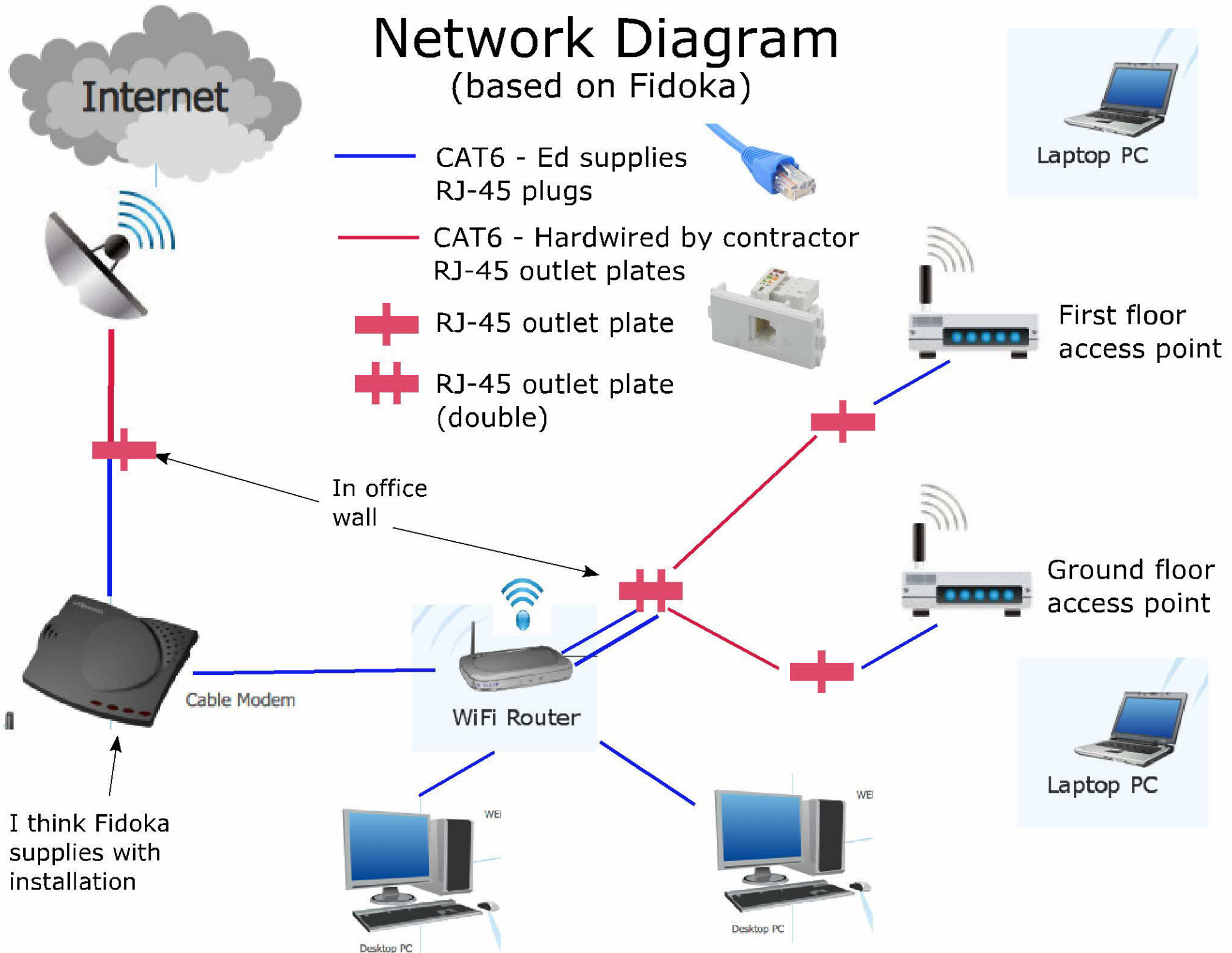


Network Diagram

(based on Fidoka)



Revised 26 Nov 16

Network Explanation

First, connecting to the internet signal source, I think a satellite-dish-type thing on the roof:

There should be a cable from the source that goes through the wall or wherever and connects to an outlet. (Inside the house, another (short) cable will go from the outlet to the modem. This is added later by me.)

In the US, the cable from the source and from the outlet to the modem is a coaxial cable that looks like this with a US connector, called F-type.



This explanation using the US method seems wrong, as least when based on Fidoka.

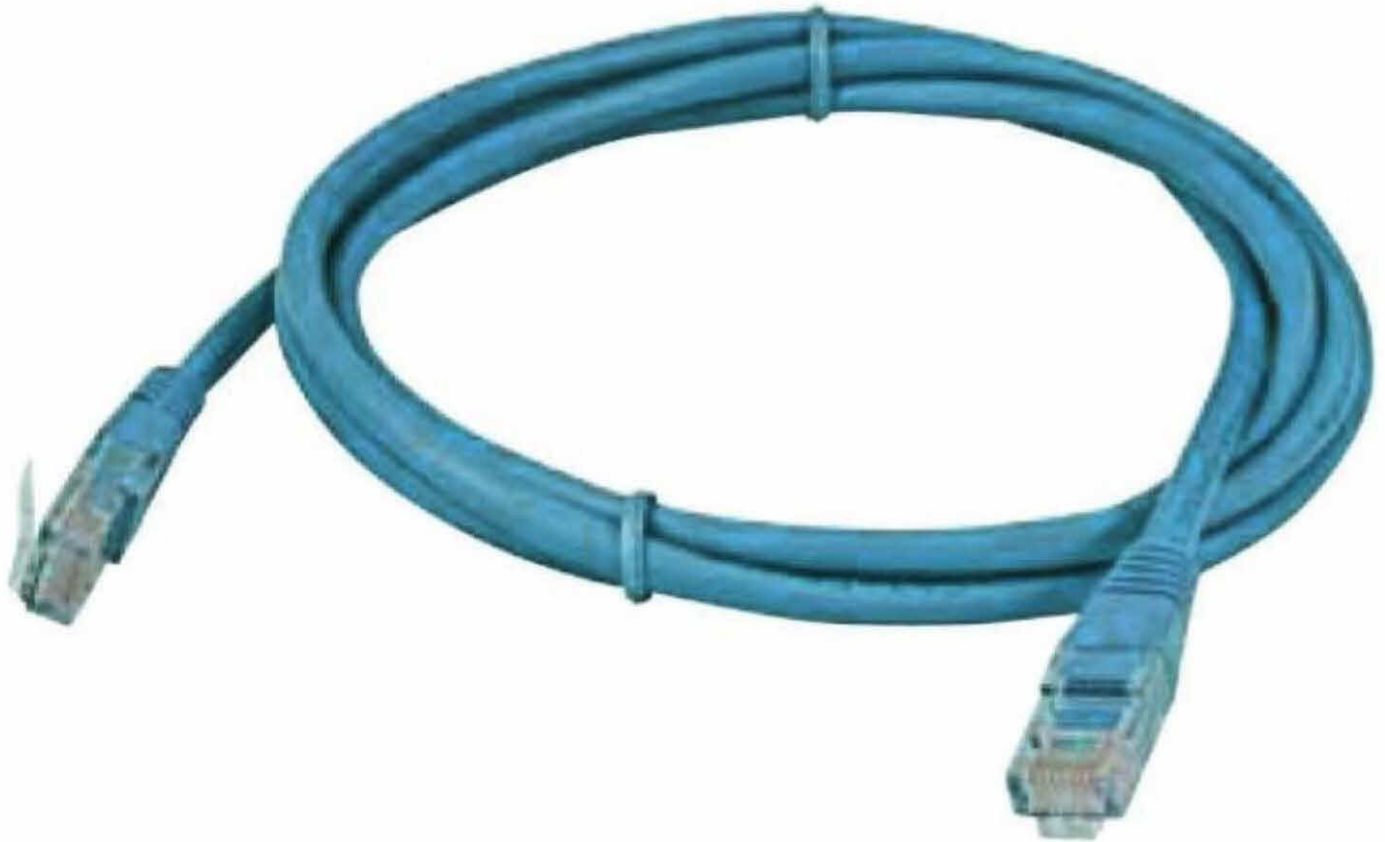
The connection uses CAT6 cables and RJ-45 plugs as explained on the following pages.

I don't know what's used in Italy, but I think it's the same, except for the connector, which is a PAL connector. Look at your modem and see if the electrician knows. See this page on Amazon that shows what the PAL connector looks like.

Network Explanation

~~https://www.amazon.com/registry/wishlist/B0084CCDWE?pf_rd_p=184-8727471-6527042&pf_rd_t=1&pf_rd_i=cm_wl_add_dupe?encoding=UTF8&layout=&msg=message_created_asin_info&msgid=promote.asin.B0084CCDWE=1&sid=184-8727471-6527042&submit_p=1~~

The modem then connects to a router with a cable like this, which I'm pretty sure is standard worldwide. Check your set up. (This is added later by me.)



w

The plug/connector on this cable is the RJ45, which looks like this:

Network Explanation



This cable -- and all the cables I'll talk about from here on -- should be of a standard called CAT6.

The router has wireless and wired capability. The wireless signal should cover that end of the ground floor, but given the solid construction I'm thinking the signal won't be strong enough on the kitchen side and especially on the first floor.

This is where the access points come in. They are hard wired to the router by CAT6 cable and then they provide wireless coverage.

So we need to connect the router and the access points with cables.

Here's what we do:

We put two outlets of that fit the RJ45 connector in the wall near the router. One will connect the ground floor access point, the other the first floor access point.

They look like this. (They look like a US phone jack, but they are bigger.)

Network Explanation



These outlets are wired to the same type of outlet near each access point.

The router and access points are connected to the outlets with a cable like the blue one above, supplied by me.

That should provide aa good whole house wireless network.