

New Home, Plan Ahead for Lake Region's Fiber-to-the-Home

If you're building a new home or remodeling a family room that could eventually include Fiber Optic services or other high-end electronics, now is the time to install the proper wiring to support them. Installing high-capacity, high-grade wiring and cable during the building or remodeling phase, while the walls are accessible, can save you big bucks down the road.

What You Need:

To get the most out of today's electronics, we recommend installing Cat-6 twisted-pair wire for television, voice and data transmissions.

We recommend running all cabling from each spot where a phone, television, computer or router will be connected to a central hub, preferably in the center of the home. When routing your new cabling to your central hub, remember *NOT TO RUN THE CAT6 NEXT TO POWER WIRE OR OVER ANY FLUORESCENT LIGHTS*. Cat-6 cable is not shielded like coaxial cable and any interference from the power or lights may affect your services. It's best to drill a separate hole through the framing and keep the Cat-6 on the other side of the power wire at a minimum of six inches.

On the outside of the home a Network Interface Device (NID) will be mounted close to the electric meter. From the NID, a fiber jumper is run to our Optical Network Unit (ONU). While the walls are open in your new home, we suggest stubbing a ½" piece of conduit outside, so the fiber jumper can be run through it and the NID can cover. The best option is to run flex conduit from the outside all the way to the central location where all the CAT-6 terminates.

- Keep in mind when running the fiber jumper not to kink or bend the fiber too tightly.
- If you plan on having "Smart TV's" a second CAT-6 for internet connection is advisable to those TV's. The cable set top box will need its own CAT-6 & "Smart TV" will need another CAT-6 line for internet, streaming Netflix, Hulu, HBO, and Amazon.

Our ONU's have wireless capabilities or you can use your own wireless router.

We recommend Cat-6 wired for the best TV service and DVR-style Set Top Box (STP) service.

The ability to use wireless will depend on the size and construction of the house and the locations of the central unit and the remote units. Which is why we encourage the use of the Cat-5 or Cat -6 cable in new construction.

We look forward to serving all your technology needs in the future and hope to be of help in this transitional time. Please don't hesitate to contact us with any further questions at 918-772-2526.