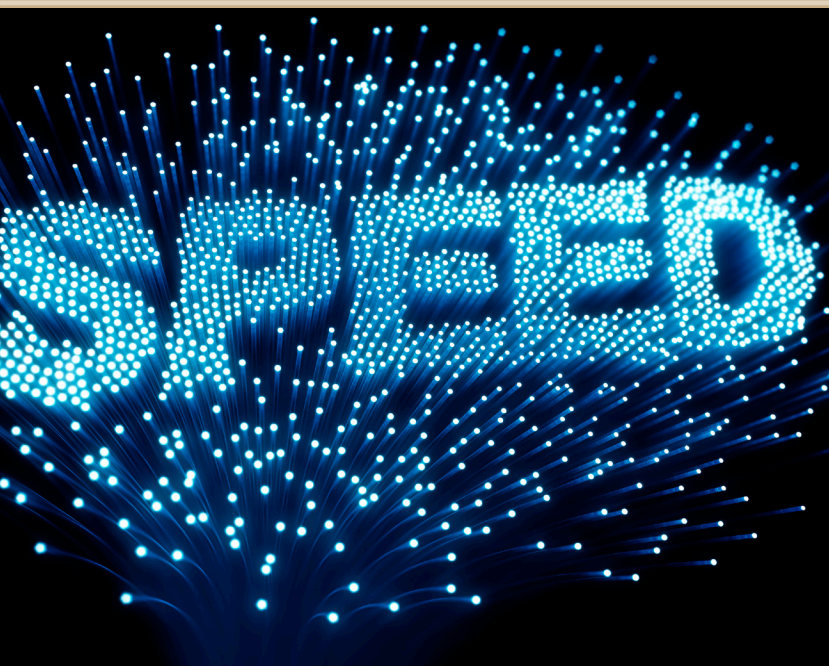




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FIBER OPTIC CABLE

your path to the future

Coming Soon to Rico





What is Fiber-Optic Cable?

Fiber is the premiere network communications technology. Fiber optic cable contains strands of optically pure glass, thinner than a human hair, which carry digital information over long distances. Digital signals are sent as pulses of light down the glass fibers, without interference or limitation. This digital transport system is faster, clearer, more reliable, and will give you the bandwidth to access the digital communications services of the future, and today's IP-based broadband apps such as streaming TV, remote work, video conferencing, home security systems, remote appliance management, and fully symmetrical residential internet speeds up to 1000 Mbps.

Fiber Technology and Your Future

We are thrilled to finally begin building the robust, versatile, state-of-the-art network in Rico that we have been working towards since we first acquired Rico's telecommunications network. Soon we will begin laying fiber optic cable to all homes in Rico and install the latest, most advanced electronic equipment throughout the valley.

At the same time, we are looking to build new redundant fiber optic routes to connect to the major carriers nationwide. We will work steadily over the next couple of summers to upgrade all homes that were previously on copper, to fiber. We have a plan to build fiber to every remaining home in the city. This is going to be a large construction project, requiring millions in investment dollars, but by the end the remote area of Rico will have as good a network as most large urban centers.

We are committed to ensuring the economic vibrancy of Rico, and a great quality of life for all of our customers. We are closing the economic opportunity gap between those who have fiber optic cable to their homes, and those without. We want you to be on the right side of that gap—the fiber haves. Having access to unlimited broadband is the future to economic development and personal educational and remote work opportunity for those who want to be part of the global information economy. Fiber is essential. Fiber is the future.

Thank you for your patience as we roll out this plan and ensure that Rico will have a premier fiber broadband network.

Kip Wilson
General Manager, Rico Telephone Company



The Fiber Optic Advantages Are Clear

SPEED

The fastest connection speed known to man - up into the gigabits. We will offer multiple service tiers up to a 1 Gig residential speed to our customers.

RELIABILITY

Fiber to the home uses a pure ethernet connection back to your ISP, without needing intermediate equipment like a modem. This results in a much more stable, reliable service, which means no downtime for you. Fiber to the home eliminates many equipment issues, and vastly improves your internet experience.

UNLIMITED BANDWIDTH

Unlimited carrying capacity means NO CAPS. The bandwidth, like speed is only limited by the processing power of the electronics on each end of the fiber. We will never cap your data usage, or throttle your speeds. Stream as much video as you like without worrying about overages.

DISTANCE

Unlike copper, there is no resistance in the fiber optic cable, so the signal can travel much further distances. This means we can now serve even remote customers with uniform speeds.

LESS INTERFERENCE

Because it's literally light being transmitted, there is no interference from electromagnetic noise such as radios, motors, power lines, or other nearby cables. This means a clearer signal and better broadband connection for you. Even lightning strikes, which can be transmitted by copper cabling, are not transmitted by fiber-optic cable.

LESS MAINTENANCE

Fiber optic cables costs less to maintain than traditional copper lines, saving us all time and money.

Frequently asked questions :

Fiber-To-The-Home Technology:

How will a fiber connection improve my life?

Imagine a world where you can stream 4K video to as many devices simultaneously as you want to without any buffering. Imagine a world where your Internet service never goes down, and you never have to waste valuable time calling tech support. This better connection can be yours with fiber optic cable. The fiber line running to your home from the main cable may contain just a single strand of fiber, but a pair of strands could theoretically carry all the information in the Western USA. We will have the ability to provide up to 1 Gbps per second, for both upload and download, to each home in the network. You will be ready for that future.

Do I need a modem with Fiber-to-the-home Internet service?

No, your fiber connection will not require a modem. Just plug your home network cable or WiFi router directly into our optical network terminal, mounted on the outside of your home, and you will be instantly connected directly to our network via pure Ethernet.

Does my home need to be wired differently to take advantage of fiber-to-the-home?

In most cases, we will simply use your existing home wiring to connect our optical network equipment to an Ethernet jack or router inside your home. In some cases, especially for gigabit speeds, we may need to install a new Ethernet cable from the outside terminal to a new jack inside your home.

How is fiber optic cable installed?

First, we will seek to use any existing plastic conduit underground, which will have less environmental impact. Where existing conduit is not available or not usable, we will bore or plow in new conduit. Then we blow the fiber optic cable through the conduit using compressed air moving at very high speeds. The high-velocity air flow causes the cable to float, and that way we can feed it through very easily. Where the fiber needs to be spliced to serve homes, we put in handholds, or buried manholes with loops of fiber, where we can branch off and pick up those new homes in the future.

Why a buried fiber network?

Buried networks are all about Reliability, Reliability, Reliability! You can count on your fiber connection to work, from fire, to blizzard, to windstorm. Rico Telecom's fiber network is 100% buried—no wireless backhauls or downed lines to worry about. In the recent wildfires that damaged or wiped out many other providers communications lines in Utah, Rico Telecom was unaffected since all of our fiber network is safely buried. Remember, even when you don't have power, your corded phone will still work with a buried fiber network.

Will Fiber increase the Value of my home?

Fiber to the home could increase the value of your home by as much as \$5,000, according to the Fiber-to-the-Home Council. Our investment in your home means more money in your pocket. More importantly, fiber to your home means a higher quality of life for you in this digital

information age, where so much of what we do to enrich our lives has moved online. More Internet speed means more fun. Fiber can also lead to more economic development in an area due to the advanced technology and Internet commerce opportunities available. This is especially important in rural areas, where a gap has traditionally existed in economic opportunities.

Will fiber increase my monthly rate?

No. Your fiber upgrade will not increase your Internet or telephone rates, unless a customer chooses to upgrade their features or speeds. Typically, fiber provides more choice and more value for the customer.

Will new equipment be installed at my home?

Yes. The old copper Network Interface Device (NID) you currently have will be replaced by a slightly larger Optical Network Terminal (ONT). The ONT covers the optical signal to Ethernet. This unit will also contain the power supply and battery back up for the electronics. The ONT requires electricity. Since fiber cannot carry an electric power charge like copper used to, a battery back-up is required to power your phone service in the event of a general power outage. This battery is designed to last for 8 or more hours, depending on phone usage. Typically, the electronics use .001 kwh per month.

Will getting fiber to my home disturb my yard or property?

Though we may need to dig across your yard to bury a new fiber line, our goal is to treat your property as if it were our own. Sometimes, there may be buried conduit already in place. We will be always strive to promptly restore your property to a condition as close to original as possible. However, homeowners should also understand that your lot came with legal easements registered to each home, for power, water and communications, and anything planted or built over these easements will always be in danger of being disturbed or removed by any public utility companies.

What should I expect during the upgrade?

For the first phase of construction we will be inspecting or laying the necessary main conduit along main routes or streets, pulling fiber and installing neighborhood nodes. The last phase involves placing fiber drops (installing smaller conduit) all the way to the side your home. We will let you know when your fiber connection is ready for service. We will only install a fiber terminal on your home once you order fiber optic service. When everything is in place, we will need to schedule an appointment with you for the final hookup to the network inside your home. We will need a homeowner present at that time.

fiber optic broadband

TO CONNECT WITH RICO TODAY CALL 801 789 2800.