

SEI Communications FACT SHEET Fiber-To-The-Home (FTTH)

What is fiber optic cable?

Fiber optic cable is a bundle of fiber optic threads made of pure glass each about the diameter of a human hair. Fiber optic cable uses light instead of electricity to carry a digital data signal. Therefore it is able to transmit information at virtually unlimited speed and capacity (higher bandwidth).

What is Fiber-To-The-Home?

Fiber-To-The-Home, (FTTH) is the delivery of a communications signal over optical fiber from the operator's switching equipment all the way to a home or business. FTTH is a relatively new and fast growing method of providing vastly higher bandwidth to homes and businesses.

Why is fiber preferred to copper or coaxial cable?

Optical fiber is unique because it can carry a high-bandwidth signal enormous distances. The longer the distance the signal travels on copper or coaxial cable, the lower the bandwidth. Fiber networks can also be upgraded by changing the electronics or using different lasers that increase the bandwidth without changing the fiber itself. That's why fiber networks are said to be "future proof".

What's in it for me?

FTTH technology will open a whole new world of superior quality internet and phone services to you and your community. SEI continually monitors new technology and innovations to determine their viability for our subscribers as future offerings. With FTTH and the increased bandwidth it provides, you will be able to enjoy music, videos, and streaming Lightning Fast...Internet speeds starting at up to 6Mbps.

What will happen in my area?

When SEI upgrades the FTTH network in an area, the entire exchange will be completed. The old copper cable will no longer be maintained and will be retired once service is cut-over to the fiber optic cable.