

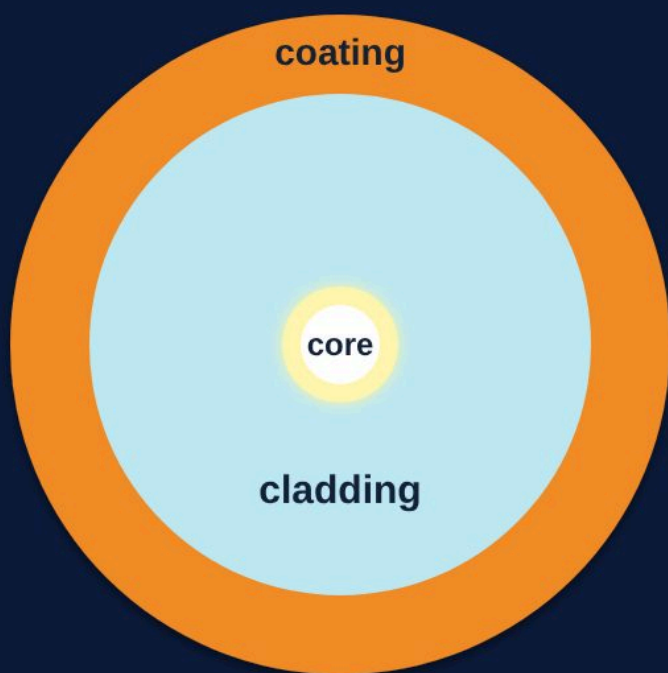
How Does a Fiber Optic Network Work?

Glass, light, ocean cables, and the fiber that reaches your home

Everyone · 50 min · 11 pictures to explore

A STRAND OF GLASS

Looking at the end of one fiber



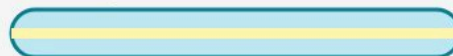
Shown hundreds of times bigger

Fiber next to a hair

a human hair

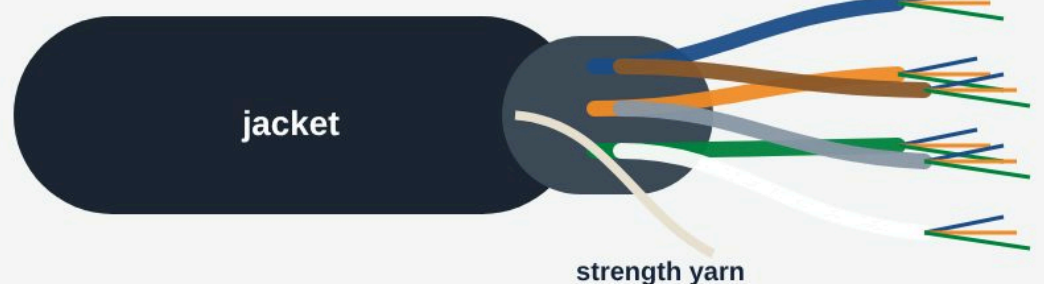


one glass fiber, 125 microns



About the same size

Inside a fiber cable



REMEMBER



Fiber is hair-thin glass that carries data as flashes of light



Backbone, middle mile, last mile: interstates, highways, and streets



In a PON, one fiber is split to many homes, and the ONT ends it at yours



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free class

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