

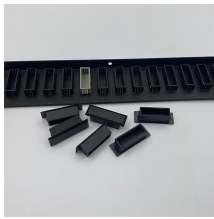
## How fiber optic cables travel from the distribution box to the home



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At its core, an OFC (optical fiber cable) carries signals of light to transmit data across the length of the network. Because optical signals are faster and not affected by noise, an FTTH network can deliver ...



This drawing also defines the network jargon for cables: a "feeder" cable extends from the OLT (optical line terminal) in the CO (central office) to a FDH (fiber distribution hub) where the PON (passive ...



Now it's time to bring the fiber-optic cable from the nearest access point — either a utility pole for aerial installations or an underground access point — into your home via the ONT.



In FTTH access networks, fiber optic cables run from a central office through a fiber distribution hub. The cables then run through a network access point and finally into the home ...



A fiber drop is the process of connecting a fiber service provider's access point, through fiber optic cable, to the optical network terminal (ONT) on the side of a customer's home.



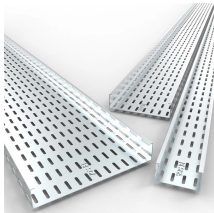
Most FTTH networks are based on a PON network. The drawing below defines the network: a "feeder" cable extends from the OLT (optical line terminal) in the CO (central office) to a FDH (fiber ...



Fiber to the Home (FTTH): This is the "purest" form of fiber optic internet, where a fiber optic cable runs directly from the ISP's distribution point (typically a fiber distribution hub or FDH) to your ...



A fiber cable line is run from a nearby distribution point - such as a curbside terminal or pole - to your home. Depending on your setup, this drop may use existing conduit or require a new one.



From the handhole, a fiber drop line is routed directly to your house—either underground or aerially. This is where your home officially connects to the fiber network.



Fiber-optic cables are routed from the street to your house via an underground conduit or aerial lines, connecting to an Optical Network Terminal.

## Contact Us

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