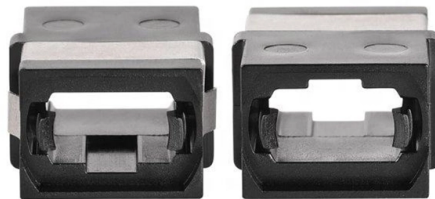


# How to connect the network cable socket panel and fiber optic cable



## AI Overview

To connect a network cable, socket panel, and fiber optic cable, you need to route the fiber to an Optical Network Terminal (ONT), link it to your router via Ethernet, and properly terminate Ethernet cables at wall sockets for distribution.

**Step 1: Plan Your Network Layout** Start by mapping your home or office layout. Identify where the fiber enters the building, the location of the ONT, router, and where Ethernet sockets will be installed. Consider future needs, such as additional computers, printers, or access points, and plan for at least two Ethernet ports per location for flexibility.

**Step 2: Install the Fiber Optic Cable** Locate the fiber entry point provided by your ISP. Route the fiber cable to the ONT or a centralized network rack. Use existing conduits or low-traffic pathways to minimize bends and stress on the fiber. Use pre-terminated fiber cables (SC/APC or LC connectors) to simplify installation and avoid field splicing. Secure the cable with soft Velcro ties and protect it in high-traffic areas using flexible low-voltage conduit.

**Step 3: Connect the Fiber to the ONT** Plug the fiber optic cable into the wall outlet and the ONT's designated port. Power on the ONT and wait for the status lights to stabilize (usually 2–5 minutes).

**Step 4: Connect the ONT to the Router** Use an Ethernet cable to connect the ONT's LAN port to the router's WAN port. Power on the router and verify connectivity through the indicator lights. Configure settings such as Quality of Service (QoS) if needed for VoIP or video conferencing.

**Step 5: Install Network Cables and Socket Panels** Run Ethernet cables (Cat6 or higher recommended) from the router or switch to each planned socket location. Terminate cables at wall plates using keystone jacks, ensuring proper wiring order (T568A or T568B standard). Mount the socket panels securely and label each port for easy identification.

**Step 6: Test and Optimize** Use a network tester to verify each Ethernet...

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## What to Expect During Your Openreach Full Fibre Installation

Working inside your property We'll run a cable from the external junction box to the Optical Network Terminal (ONT) inside your home. The ONT connects to your router and brings Full Fibre into your

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