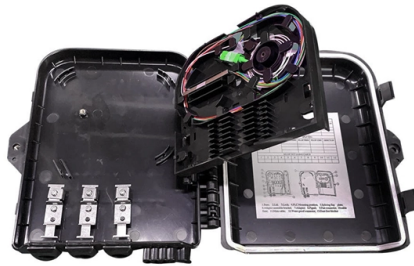


# How to replace network cable with fiber optic cable



## AI Overview

Replacing a network cable with fiber optic cable involves selecting the right fiber type, planning the route, installing and terminating the fiber, and testing the connection for optimal performance.

### Step 1: Plan and Select Fiber Optic Cable

Before replacing copper cables, determine the fiber type based on your network needs: single-mode for long-distance connections or multi-mode for shorter distances within buildings. Choose appropriate connectors (LC, SC, MTP/MPO) and consider the environment—indoor, outdoor, or armored cables for protection against physical damage and environmental factors. Ensure compatibility with existing network equipment and future scalability .

### Step 2: Conduct a Site Survey

Perform a site survey to map the cable route, identify obstacles, and plan for conduit or tray installation. Leave extra space (25–40%) in conduits for future expansion. Check for building codes, permits, and safety requirements. This step ensures a smooth installation and avoids costly rework .

### Step 3: Remove Existing Copper Cables

Carefully disconnect and remove the old Ethernet or coaxial cables. Label all endpoi...

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## Contact Us

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