

How to install invisible fiber optic cables upwards



Article Overview

Invisible fiber optic cables can be installed upwards using adhesive, corner clips, or epoxy while maintaining proper bend radius and secure adhesion to ensure signal integrity.

Preparation

- Clean the surface: Ensure the wall or ceiling is smooth, dry, and free of dust or grease. Use a brush and cleaning solvent like isopropyl alcohol for optimal adhesion .
- Inspect the cable: If using micro or butterfly-type invisible cables, strip the outer protective layer if required to expose the fiber .
- Plan the route: Map the path for the cable, noting corners, bends, and vertical sections. Maintain a minimum bend radius of about 5mm to prevent signal degradation .

Installation Methods

Using Adhesive or Hot Melt Tools

- Insert the cable into the adhesive tool or hot melt glue gun and preheat to the recommended temperature .
- Slowly advance the tool along the planned route at a steady pace (around 2.5 cm per second) to ensure even adhesion .
- Press the cable firmly against the surface to secure it, especially on vertical sections....

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