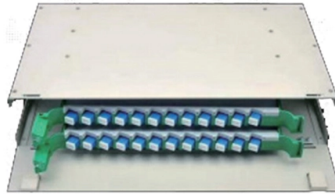


Unplug the fiber optic pigtail



Article Overview

To unplug a fiber optic pigtail safely, always handle the connector end, avoid touching the bare fiber, and gently release it from the adapter or patch panel.

Key Steps for Unplugging

- **Identify the Connector End:** Fiber optic pigtails have a factory-terminated connector on one end and a bare fiber on the other. Always handle the connector end, never the bare fiber, to prevent breakage or contamination .
- **Power Down Equipment:** If possible, ensure the connected equipment is powered down or the port is inactive to avoid signal disruption or eye exposure to laser light .
- **Remove Dust Caps:** Before unplugging, remove any protective dust caps from the connector. Keep the caps to protect the fiber after disconnection .
- **Gently Release the Connector:** Most connectors (LC, SC, ST) have a latch or push-pull mechanism. Press the release tab or gently pull the connector straight out without twisting or bending the fiber .
- **Avoid Stress on the Fiber:** Do not bend the fiber sharply or pull on the cable itself. Maintain a bend radius of at least 30-50 mm for single-mode fibers to prevent microbends or breakage .
- **Store Properly:** After unplugging, place the connector in a clean dust cap and coil the fiber loosely to prevent kinks or damage .

Additional Tips

- **Cleanliness is Critical:** Even a small speck of dust can degrade signal quality. Avoid touching the connector ferrule and use isopropyl alcohol wipes if cleaning is needed .
- **Labeling:** If multiple fibers are present, label the pigtail to ensure correct reconne...

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