

Change pigtail tray to strip tray

Article Overview

Converting a pigtail splice tray to a strip tray involves removing pigtails, preparing the trunk fibers, and routing them into the strip tray for ribbon or strip splicing while maintaining proper bend radius and polarity.

Preparation

- o Remove Existing Pigtails: Open the splice tray and carefully release the pigtail fibers from their holders or mesh inserts, ensuring no tension is applied to the fibers during removal (as described in AFL RTD instructions) .
- o Prepare Trunk Fibers: Strip the protective jacket and buffer from the incoming trunk fibers using a fiber jacket stripper. For ribbonized fibers, use a ribbon cable jacket splitter tool to expose the individual ribbons without damaging the fibers .

Installing Strip Tray

- o Insert Ribbon or Strip Fibers: Place the prepared ribbon or strip fibers into the designated slots or compartments of the strip tray. Ensure that the fibers follow the tray's routing paths to maintain proper bend radius and avoid pinching .
- o Splicing: Perform fusion or mechanical splicing between the trunk fibers and the new strip fibers according to standard practices. For single-fiber splicing from a ribbon, de-ribbonize as needed .
- o Polarity Management: Maintain correct fiber polarity by following the tray manufacturer's guidelines. Ribbon trays often require specific fiber-to-fiber alignment to ensure straight-through or universal wiring .

Securing and Managing Slack

- o Looping and Securing Fibers: Create gentle loops of excess fiber inside the tray and secure them with hook-and-loop straps or tie wraps. Avoid tight bends to prevent signal loss .
- o Tray Installation: Slide the strip tray into the enclosure, securing it to the base plate or swing-out holder. Ensure that the trunk fibers are routed around the tray without pinching and that the tray can move freely if it is a sliding or swing-out type .

Final Checks

- o Verify that all fibers are properly seated and that no fibers are under tension.
- o Confirm that the splice tray cover is in place and that the enclosure doors are securely latched.
- o Test connectivity to ensure that splices are correctly aligned and that insertion loss is within acceptable limits. By following these steps, you can successfully transition from a pigtail-based splice tray to a strip or ribbon tray configuration, improving fiber density and organization while maintaining network performance and reliability.

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Looking to see if anyone has had this issue and what the problem actually was.

Bring the trunk cables around the splice trays and secure them with another hook-and-loop strap to prevent the bundle from exiting

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Carefully dress the pigtails down and run them through the hinged opening of the splice tray holder. Thread the tie down strap to

DENALI Splice Cassettes deliver flexible, high-density splice management for evolving data center and enterprise networks.

The pigtail is a high-quality optical assembly manufactured using custom connectors to accomodate another fiber cable in a tray,

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If you want to reset Taskbar System Tray Icons in Windows 11 to default, you will have to use the Registry Editor to do

Confused about fiber optic pigtails--which connector type, which polish, fusion or

Learn how to perform mechanical fiber cable splicing inside fiber enclosures using fiber splice trays. This step-by-step

These pre-assembled kits provide the essentials for pericardial drainage/aspirations, all in a single tray. Features an 8.3 French

PURPOSE: To outline the indications and procedure guideline for the insertion and removal of a chest tube (tube

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Ever found yourself needing to disassemble connectors to repair or replace cables, but

Fibre Optic fully loaded Rack Mountable with Mounting Bracket Kit, LIU with splice Trays & Splice

APPLICATION Termination of fiber optic cabling via fusion splicing requires planning and coordination to successfully allow for

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