How to use a pigtail protective sleeve



Overview

101 Skills: Percutaneous Pigtail Catheter Placement No description has been added to this video. Learn more on CTSNet: https://.

Key Takeaways

Slide the protective sleeve over the spliced fiber, center it on the joint, and heat it to create a rigid, waterproof shield that protects the splice.

Step-by-

Step Guide1. Prepare the Fiber Pigtail Before splicing, strip the protective layers from the fiber carefully to expose about 30mm of bare glass. Use the correct notch on your fiber stripper to avoid nicking the glass, which can cause fractures and signal loss.

Clean the exposed fiber with alcohol wipes to remove dust and oils, as even tiny particles can degrade the splice. 2. Slide the Protective Sleeve Onto the Pigtail Take the heat-shrink splice protection sleeve and slide it onto the pigtail before performing the fusion splice.

Ensure it is positioned far enough from the splice area so it does not interfere with the fusion process. 3. Perform the Fusion Splice Align and fuse the bare end of the pigtail with the incoming fiber using a fusion splicer.

Handle the fibers carefully to maintain proper alignment and prevent contamination. 4. Position the Sleeve Over the Splice After the splice is complete, slide the protective sleeve so that the fused joint is centered over the stainless steel reinforcement rod inside the sleeve.

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This ensures the splice is fully supported and protected. 5. Heat the Sleeve Place the fiber with the sleeve into the fusion splicer's built-in heating oven.

Activate the heat cycle to shrink the outer tubing and melt the inner adhesive, bonding the sleeve to the steel rod. Allow the sleeve to cool for a few seconds before handling. 6.

Install the Fiber in a Splice Tray Finally, carefully loop the protected fiber into a splice tray, respecting the minimum bend radius to avoid macro-bends, which can cause signal leakage and degradation. Secure the fiber neatly to maintain long-term reliability. By following these steps, the protective sleeve will create a rigid, weather-resistant shield that safeguards the delicate fiber splice, ensuring low signal loss and long-term network performance.

Article Content

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Chest Tube (Pigtail) Insertion and Removal | Froedtert & MCW

PURPOSE: To outline the indications and procedure guideline for the insertion and removal of a chest tube (tube thoracostomy) or a pigtail catheter in a trauma patient.

Penis Sleeves: What are they and How Do They Work?

Penis sleeves are typically made from soft, flexible materials like silicone, rubber, TPE, and TPR, though some use firmer materials for extra support. They come in various designs, types, and

Chest tube insertion – Pigtail | Department of Emergency Medicine ...

Make a small incision with 11-blade alongside guidewire, then dilate to required depth with dilator, then insert pigtail with obturator over wire to appropriate depth.

Wire Guided Pigtail Catheter Placement copy

Step 1: Use lidocaine to make skin wheel and anesthetize underlying SQ tissue and pleura. Apply negative aspiration force and aspirate until bubbles visualized in chamber.

MedScratch

This video shows how to secure and tie both a Pigtail and a large bore chest tube. This video is for educational purposes only.

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101 Guidelines for Fiber Termination Box

Place the protective tube or sleeve around the cable into the metallic saddle, secure the saddle with the screwdriver and tighten the cable gland around the feeder cable to ensure water

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Compare fiber optic pigtails and patch cords side by side. Understand key differences in performance, cost, and use cases to make the

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How to Repair Dodgy or Broken Headphones

Most headphones will stop working after a while. Whether the sound starts to cut out or the band breaks. Luckily, there are a few things you can do to try to repair your headphones yourself before spending

Fiber jumper and fiber optic terminal box analysis

So how to install and use the fiber optic terminal box? First of all, the fiber optic terminal box is generally used indoors. If it is used outdoors, some

How to Install a Fiber Optic Termination Box (FTTH Steps)

Learn how to install a fiber optic termination box step-by-step for FTTH projects. Covers mounting, splicing, routing, labeling, and testing for indoor/outdoor use.

Hose Protection & Cable Wrapping

Products like our hose burst protection sleeve, fire-resistant anti-static wrap and our Safeplast Safe-Spiral ABRA with wear indication offer additional forms of protection. Products like Pig''s Tail

AeroElectric Connection

Raychem corporation makes a product called "solder sleeves". These are a high temperature heat-shrink tubing with a ring of sealant (the blue bands at each end

Pig''s Tail Hose Protection & Spiral Wrap | Caplugs

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Pig''s Tail spiral wrap and hose protection products make it easy to secure, protect and preserve your critical hydraulic and pneumatic connections. Featuring a right-cut design, Pig''s Tail products provide

How to Splice Fiber Optic Pigtails: A Step-by-Step Guide

Master the art of fiber termination. Learn how to splice fiber optic pigtails using fusion splicing, follow the color code, and ensure low insertion loss.

Pig''s Tail™

“Pig''s Tail”™ Protective Wrapping offers the following performance benefits: Developed to increase the service life of hydraulic hoses Manufactured from tough HDPE for ultimate protection against

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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