

Where to put the steel wire on the small green reel for fiber optic splicing

Article Overview

The steel wire should be secured to the cable tie-down block on the reel drum before winding the fiber optic cable.

Step-by-Step Instructions

1. Prepare the Reel: Place the small green reel on a stable, solid surface, ensuring it is aligned with the intended direction of cable deployment to prevent twisting or rubbing against the reel flanges . If the reel has a drum brake, set it to the desired tension to control rotation during winding . 2. Locate the Drum Exit Port: Identify the drum exit port on the reel. This is where the fiber optic cable will leave the reel. Ensure the exit cover is properly seated; lift the trailing edge while pushing it in until it snaps into place . 3. Attach the Steel Wire: Take the steel wire and secure it to the cable tie-down block on the reel drum. This block is designed to hold the wire firmly in place while the cable is wound. Use a zip tie if necessary to ensure the wire does not slip . 4. Wind the Cable: Insert the crank handle into the side of the reel and begin winding the fiber optic cable onto the drum. Maintain even tension to avoid kinks or sharp bends, which can damage the fiber . If the reel has a spring rewind option, it will automatically rewind the cable when tension is relaxed . 5. Adjust Tension and Secure: Check the drum brake or drag settings to ensure the cable is held securely. The steel wire should remain firmly attached to the tie-down block throughout the winding process . 6. Safety Considerations: Always wear protective gloves and steel-toed boots when handling reels, as fiber optic spools can be heavy . Avoid sharp bends and excessive pulling tension to prevent fiber damage . By following these st...

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About the Reel The FCR-1000 series cable reels are designed to fit Princetel's standard FORJs and slip rings. The rotary joints are

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GENERAL INFORMATION

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Another method is to use chains that are attached to a bar that is inserted through center hole of the reel and a

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The document provides guidelines for splicing fibre optic cable. It outlines the necessary tools, materials and steps for preparing the

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The Fiber Optic Association, Inc.

The optical time domain reflectometer (OTDR) uses optical radar-like techniques to create a picture of a fiber in an installed fiber

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Fiber optic cable should only be pulled by the cable strength members unless the cable design allows pulling by a grip on the jacket.

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Individual company practices for placing aerial fiber optic cable should supersede any conflicting instructions in this document when

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Connect the cable to be wound on the reel to the connectors or pigtail in the drum exit port as required. Align the fibers/wires with the

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Fiber Optic Splicing Guide & Demo

Part of UTEL's Knowledge Base series of videos about fiber optics, this guide provides a

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