

Use of optical cable reels



AI Overview

To use an optical cable reel safely and effectively, connect the cable, secure it, adjust tension, and wind or deploy it while avoiding sharp bends or twists.

Step-by-Step Instructions

- 1. Prepare the Reel and Cable** Ensure the reel is on a stable surface or mounted correctly. Check that the drum, side plates, and connectors are intact and free from damage. If the reel has protective covers over the cable, leave them in place until installation to prevent damage.
- 2. Connect the Cable** Attach the vehicle, vessel, or ground optical cable to the non-rotating connectors on the side of the reel. Then, connect the deployment cable to the drum exit port or pigtail inside the reel. Align the fibers with the slots in the drum exit cover and snap the cover into place.
- 3. Secure the Cable** Rotate the drum 180° clockwise by hand and use a zip tie to secure the cable to the tie-down block. This prevents the cable from slipping during winding or deployment.
- 4. Adjust Tension** If the reel has a drum brake, adjust it to the desired tension to control the speed of cable deployment and prevent over-spooling.
- 5. Wind or Deploy the Cable** Insert the crank handle into the reel and wind the cable onto the drum. For deployment, unwind the cable carefully, maintaining smooth curves and avoiding sharp bends. Use “figure-8” loops for longer runs to prevent twisting. If the reel has a spring rewind or cable guide, follow the specific instructions for those features.
- 6. Handle with Care** Always move the reel upright and use a shaft or spreader beam when lifting. Avoid dragging the drum on the ground or letting the flanges contact hard surfaces, as this can damage the cable. Keep sufficient space between reels when transporting with a forklift.
- 7. Stow the Crank Handle** After winding, remove the crank handle, fold it 90°, and insert it into the square feature on the chassis side plate for safe storage.
- 8. Installation Precautions** During installation, avoid pulling the cable over sharp edges, maintain smooth curves, and minimize mechanical pressure. LSZH sheathed cables are sensitive to cracks, so ensure the i...

Article Content

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Fiber Optic Cable Reels

Our fiber optic cable reels are the best in the industry. They're made out of an impact modified polymer. Military cable reels have options for fiber cleaning kits, fiber optic cable reel

The fiber optic cable reel is designed to protect and organize the fiber optic cable during storage and transportation.

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In the rapidly advancing world of telecommunications and data transmission, fiber optic cables have become an indispensable part of modern

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Cable reels are used for on-site installations, vehicle winching, fiber optic cable transport, storage of wires, monofilaments, threads, hoses, and more across industrial, commercial, and

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Whether you need lightweight but robust solutions for broadcasting, outdoor events, excavation, military deployments, or industrial installations – our reel systems

Fiber Optic Cable Reels – Fiber Savvy

Fiber Savvy supplies only the best Fiber Optic Cable Reels available on the market. Made out of an impact modified polymer, our military cable reel is the perfect

Fiber Optic Cable Reel User Manual

The FCR-1000 series cable reels are designed to fit Princetel's standard FORJs and slip rings. The rotary joints are protected inside the drum for durability and seamless deployment of single or multi

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It supports fiber optic cables ranging from 100 to 1500 meters in length, making it ideal for use in field communications, emergency response, broadcast, military

Fiber Optic Cable Types: A Complete Guide

The plethora of fiber optic cable types can seem overwhelming, but choosing the right cable for the job is important. Read on to learn what fiber optic

CableTransportationAndHandling Issue2 Aug 2023

Minimize the distance a cable reel is rolled, use a forklift or cable trailer for longer distances. Rolling the reels for extended distances or against the roll direction can cause the cable to

What are the different types of cable reels?

Uncover the many benefits with adopting recycled plastic cable reels for your industrial applications with Axjo. From minimizing carbon emissions to

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MARS® – RiO® Reel

Optical Cable Corporation introduces RiO ®, an inherent solution combining a multichannel fiber optic cable assembly with an interconnect patch panel to form

Cable reel

A cable reel is a round, drum-shaped object such as a spool used to carry various types of electrical wires. Cable reels, which can also be termed as drums,

Modular Advanced Reel Systems (MARS®)

Unlike traditional metal-style reels, MARS is a lightweight, modular system constructed of an impact modified polymer that is easily transported. It is ideal for

Procedure for Cutting and Respooling Fiber Optic Cable

GENERAL 1.1 Improper use of a respooler (Figure 1) can cause damage to a cable jacket or result in wavy fiber in tight buffered cables due to cable crossovers or excessive tensile loading. This

Fiber Optic Cable Reels

With next level engineering, our Fiber Optic Cable Reels exclusively manufactured by OCC are guaranteed to suffice as a lucrative addition to your fiber optic

Modular Advanced Reel Systems (MARS®)

The OCC MARS reel can be used with simple deployable axles, or with integrated A-frames, cable acquisition cradles, transit case systems, tripods, bumper

fiber optic cable reel

Whether used in a sprawling telecommunications network, a data center, or for construction projects, fiber optic cable reels help streamline the

Procedure for Cutting and Respooling Fiber Optic Cable

Select a take-up reel with sufficient drum size to maintain cable minimum bend radius. The drum diameter should be a minimum of 8 inches or 30 times the cable outer diameter.

Fiber Optic Cable Reels for Mobile and Rugged

Foss provides durable fiber optic cable reels for mobile, tactical, and industrial applications. Designed for easy transport, quick deployment, and reliable

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MARS Deployable

The OCC MARS reel can be used with simple deployable axials ("broom sticks") or with integrated A-Frames, cable acquisition cradles, transit case systems,

Contact Us

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