

Guided optical cable unloading



AI Overview

Proper unloading of guided optical cable reels involves controlled rolling, upright storage, and careful handling to prevent cable damage and ensure operator safety.

Unloading Procedures

- Avoid Dropping Reels:** Never drop the cable drum directly onto the floor, as the weight can deform the drum flanges and damage the cable inside (STL Tech).
- Use Rolling or Forklifts:** Roll the drum from the truck onto a receiving platform at the same height as the tailgate, or use a forklift if available. When using ramps, roll the drum carefully and prevent uncontrolled movement (STL Tech).
- Hoisting with Chains or Spreader Beams:** If lifting is required, use hoisting chains or wire ropes with a center hole bar and a spreader beam to avoid flange collapse (Paragon Navigator).
- Manual Assistance:** For steep ramps, employ a come-along ratchet, winch, or sufficient manpower to control the reel safely (Paragon Navigator).

Storage Guidelines

- Upright Position:** Always store reels upright on a flat, solid surface to prevent loosening or deformation of the cable (STL Tech, Corning).
- Indoor Storage Preferred:** Protect reels from moisture and environmental degradation by storing indoors. If outdoor storage is necessary, use a hard, dry surface and cover with polythene during rain to maintain moisture content around 18–25% (STL Tech).
- Stacking Restrictions:** Only stack drums with flange diameters of 1250 mm or less; avoid storing on flat flanges to prevent winding defects (STL Tech).

Handling Considerations

- Follow Roll Direction:** Always roll the reel in the direction indicated by the arrow on the flange to prevent tangling or kinking (Corning).
- Inspect Before Unloading:** Check for transport or storage damage before handling the reel (Paragon Navigator, Corning).
- Maintain Cable Integrity:** Avoid contact with sharp surfaces, respect the minimum bend radius (typically 20 times the cable diameter), and secure the cable at intervals during pulling to prevent stress or damage (Rosenberger).
- Secure Unused Cable:** After installation, secure the outside end of th...

Article Content

Cabling System Design: Technical report 01

If optical fibre cable is to be stored for longer than approximately four weeks then it is recommended that cable ends are appropriately sealed (heat shrink cable end caps are recommended).

Load Handling Solutions from Pepperl+Fuchs

When it comes to picking up, securing and transporting loads, automated guided vehicles (AGVs) require a wide range of information to ensure safe and smooth

Cable reel e-spool flex | igus cable drum with no slip ring

An automatic cable reel uses a spring mechanism to unwind and rewind the cables, allowing uninterrupted transmission of power or data. The e-spool flex does this

Guidelines for cable drum handling during transport and storage

The cable drums are - if possible - to be unloaded at the location to which the cable is unwound later. The steel bands must be cut and removed away with a steel band cutter.

Handbook Optical fibres, cables and systems

The first ITU-T Handbook related to optical fibres, Optical Fibres for Telecommunications, was published in 1984, and several others have been produced over the years. It is an honour to present you with

Offshore cable handling equipment

Electrically driven cable handling equipment. Cable loading, marine transit and cable unloading incl. carousel, loading tower and loading arm, loading tensioner, cable

Technical Information Instrumentation, Power & Control

Unloading and Moving of Reels: Cable reels are never shipped upended (flat side down). Cable reels that arrive in this manner should be rejected or received only after a thorough inspection for damage.

Handling Cable and Cable Drums Instruction – Do's and Don'ts

When rolling cable off the drum, respect the max. pull force and crush resistance of the cable. Drums should never lie flat. Drums lying on the side could possibly cause damage to the cable. The weight

Guided Media or wire line media, the transmission of information takes ...

Guided Media In networks that use wire line media, the transmission of information takes place on a wire or cable. The three types of wire line media are twisted-pair wire, coaxial cable and fibre-optic cable.

OPGW Fiber Optic Cable Installation Guide

This document provides installation procedures for OPGW fiber optic cables. It describes preparing the site by surveying the line and positioning

Cable Handling & Storage Guideline Information

A crane should be used for unloading cable drums. When lifting drums with the crane, it is recommended that the lagging should be kept in place to prevent the

Cable Drum Unloading & Perfect Cable Layering | Electrical Work Guide ...

In this video, we demonstrate the safe and efficient unloading of a heavy cable drum and the proper layering process for smooth cable installation. Correct h...

CATALOGUE

MMD series magnet-free track linear motor modules can be used in a variety of fields such as semiconductor (e.g., crystal fixing machine, wire bonding machine, round crystal detection table),

Cables and Drums User Guide | Prysmian

Cables and Drums User Guide INTRODUCTION Cables are carrying electricity or signal from one point to another and they should work with full performance and

CableTransportationAndHandling Issue2 Aug 2023

Prior to paying off the cable, cut off all but one foot of the cable "tail" on the outside flange and leave it unsecured. Stop deployment when necessary and cut the cable "tail" when excessive

5 Considerations for Successfully Transporting Cable

Transporting cable drums, whether for electrical cables, fiber optics is a logistics challenge that requires careful planning.

The FOA Reference For Fiber Optics -Outside Plant

Outside Plant Construction Guide Introduction Review Of Fiber Optic Technology. Project Preparation And Guidelines. Underground Cable Construction.

Basic Principles of Fiber Optics Series: Refraction

This article examines the principle of refraction and how it applies to fiber optics. Learn what causes refraction, how to calculate an index, and how

99_Active_Design Template_Optical Cable Drums Handling,

This document provides the guidelines for handling, Transportation and storage of Optical fiber cable drums. These guidelines can apply to all "Outside Plant Optical Fiber Cables".

Handling, Transportation and Storage procedure for Optical Fiber

This procedure shows the complete information of how to handle, transport and store the “Optical Fiber Cable Drums”. These guidelines can apply to all types of Optical Fiber Cables.

CABLE DRUM HANDLING

This guide illustrates how damages to cables and cable drums can be avoided by correct handling and storage practices. Drum flanges are marked to provide vital information to assist with the handling of

Fiber Optic Cable Storage Tips

Fiber optic cables are sensitive to excessive pulling, bending, twisting, crushing and other impact forces, which may alter the fiber property and

PROCEDURE FOR HANDLING

4.0 PROCEDURE FOR STORAGE & TRANSPORTATION near the cable drums. However, keeping drums under direct sunlight may affect the quality & strength of the drums and hence, proper

On a roll!

After unloading and handling, the cable drums must be stored with the barrel axis in horizontal position, and in such a way that the drum flanges do not touch the cable on other drums.

Optical Fiber Cable

All Fiber Optic Cable reels should be stored upright Laying the reel on its side may cause damage to the reel flange and/or cause the cable layers to shift – This may cause cable to snag during de-reeling.

Cable Placing Checklist and Handling: Squirting, Tangling ...

AEN165, Revision 5 This Applications Engineering Note (AE Note) addresses common issues regarding cable pay-off during outside plant installations known as cable squirting, cable

Fiber Optic Cable Transportation Handling Guidelines

This guideline outlines the recommended procedures for the safe and effective loading and unloading of fiber optic cables, packaged on wooden reels.

Cables and Drums User Guide | Prysmian

Drums should be unreeled without exceeding the maximum allowed pulling force of the cable. The minimum bending radius of the cable should be equal to or

Inspecting and Unloading Fiber Optic Cables

Trouble-free unloading begins with letting your Fiber Cable Customer Service Representative know of any special packaging or delivery requirements (no shipping dock available,

Contact Us

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