

Unloading the optical cable

Article Overview

Optical cable reels should be unloaded carefully using mechanical aids, keeping the reels upright, and following proper handling procedures to prevent damage.

Key Guidelines for Unloading Optical Cables

1. Use Mechanical Aids: When unloading from a vehicle, employ a forklift, tail-lift, or elevator if available. For heavy reels, use a spreader beam with a shaft through the center of the drum to prevent flange damage and avoid twisting or pinching the cable . If a forklift is used, ensure the forks are longer than the drum width and raise the drum at least 6-8 inches from the ground before moving . 2. Maintain Upright Position: Always keep the cable drum upright during unloading and storage. Tilting or laying the drum on its side can loosen the cable winding and cause hidden damage . When using a forklift, tilt the mast slightly to keep the drum stable and avoid contact with the ground or other drums . 3. Secure During Transport and Unloading: Reels should be secured with wheel chocks or chains during transport to prevent shifting. When unloading from a flatbed or partially enclosed truck, use hoisting chains or wire ropes with a center hole bar and spreader beam to lift the reel safely . Avoid dropping reels from vehicles, as this can cause permanent fiber damage . 4. Inspect Reels Before Unloading: Check for any visible damage to the drum, flanges, or cable ends before unloading. Replace damaged sealing caps immediately to prevent contamination or cable sheath damage . Record labeling information for traceability in case of later issues . 5. Space and Handling Precautions: Keep sufficient space between drums to prevent collisions. Do not release the forks or lifting equipment until the drum is fully stationary. Avoid rolling reels over long distances or against the indicated roll direction, as this can loosen the cable and create tension inconsistencies . 6. Storage Considerations Post-Unloading: Store reels in a flat, solid surface indoors, away from moisture and UV exposure. Indoor cables should be kept in covered areas with relative humidity below 60%. Outdoor cables, while weather-resistant, should also be stored indoors when possible to prevent drum damage . Reels delivered horizontally should be immediately placed upright to maintain cable integrity . Following these procedures ensures that optical cables remain undamaged, maintain their performance, and are ready for safe installation. Proper unloading reduces the risk of hidden fiber damage, which can otherwise lead to costly repairs or replacement during installation .

Fiber optic cable can seem safe; it doesn't carry an electrical charge, and it's not a heat source. More often it's a lack

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

Learn how to detect and repair damaged fiber optic cables. Visual checks, OTDR testing, IEC compliance, and

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This document provides the guidelines for handling, Transportation and storage of Optical fiber cable drums. These guidelines can

Tensile Load Strength For fiber optic cable, the tensile strength of a cable represents the highest load or pulling force that can be

Splicing in optical fiber is the joining two fiber optic cables together. There are 2 methods of cable splicing, mechanical

This way, the cable will not unwind or loosen on the drum. Limit rolling distance to 5

OF FIBER OPTIC CABLES AND OPTICS cable and the inner surface of an optical module lens surfaces that should be properly

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

Introduction Fiber optic cables can be easily damaged if they are improperly handled or installed. It is imperative that certain

Optical audio can sound great, but how do you wire an optical cable to your system? Learn

Fiber Optic cable is a valuable product and it can be damaged if not handled properly during transportation, storage and installation

When the shipment arrives, make sure the cable types and quantities match the bill of lading. Contact your Fiber Cable

The global reports say the USA has the world's second-largest market for digital optical cables. Despite the popularity

How do you choose between single mode and multimode fiber? Compare their differences in core size, light source,

Steps for a correct unloading operation 1.- Once the fiber optic drums are delivered to the corresponding warehouse,

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