How to store optical cables



Overview

How to move, store and maintain fiber optic cables? This post offers main fiber optic cable storage tips concerning five aspects.

Key Takeaways

Proper storage of optical cables involves protecting them from physical stress, environmental hazards, and improper handling to maintain performance and longevity.

Key Storage Guidelines

Environment: Optical cables should be stored in a dry, clean, and UV-protected area with controlled temperature and humidity. Indoor storage is preferred, even for outdoor-rated cables, to prevent weather-related damage. Avoid areas with chemical exposure, open flames, excessive heat, or falling objects, and maintain relative humidity below 60% for indoor cables.

Handling and Transportation: Always handle cable reels carefully. Move heavy reels upright using forklifts, reel movers, or cranes with spreader bars to prevent flange compression. Never drop reels from vehicles or lift them manually if too heavy.

Ensure the fork of a forklift does not contact the cable jacket directly. Reel and Cable Management: Store cables on reels or spools in an upright position to prevent tangling, kinks, or loosening of the winding. Maintain the manufacturer-specified minimum bend radius to avoid microbends or macrobends that can degrade signal quality.

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Use cable ties or Velcro straps to organize and secure cables without applying excessive pressure. Inspection and Protection: Check sealing caps on both ends of the cable before storage and replace any damaged caps. Avoid prolonged exposure to sunlight, which can cause color fading of the sheath, though this does not affect mechanical properties.

Ensure even tension during rewinding to prevent permanent damage.

Long-

Term Considerations: For storage exceeding three months, monitor environmental conditions and inspect reels periodically. Use climate-controlled rooms or cabinets to maintain stable temperature and moisture levels, and keep cables away from high-traffic areas or heavy machinery. By following these practices, optical cables remain organized, protected, and ready for installation, minimizing the risk of hidden or visible damage and ensuring optimal performance.

Article Content

Fiber Optic Cable Storage Tips

How to move, store and maintain fiber optic cables? This post offers main fiber optic cable storage tips concerning five aspects.

Optical cables

Storage temperature range is specified in the relevant cable specification. The cables marked as indoor cables must be stored only in the covered areas protected against UV radiation with a maximum

Fiber Optic Cable Storage Tips

Fiber optic cables are delicate and susceptible to damage if not stored correctly. In this comprehensive response, we will provide you with valuable tips and best practices for storing fiber

Fiber Optic Cable Storage Tips

Therefore, optical cable should be stored and handled in an appropriate way. This article offers fiber optic cable storage tips in five main aspects in detail. Before storing an optical fiber, it is

Best Practices for Storing Fiber Optic Cables

Following the right storage practices is essential to keep your fiber optic cables in top condition and maintain their efficiency. Here are some straightforward tips to help you properly

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Storing & Handling Fiber Cable

Proper maintenance is important to the performance of fiber optic cables. This includes handling and storage to keep contaminants away from the connectors and for protection against breaking fiber

How to store fiber optic cables correctly?

Where should optical cables be stored? Optical cables should be stored in a dry, ventilated and UV-proof place, such as a room or container. Choose a storage location with low

5 Tips For Handling & Storing Fiber Optic Cables

Here are some tips you can follow when handling and storing fiber optic cables. 1. Keep Cable Connectors Clean and Dry. Before using fiber optic cables, clean the connectors on the cable and on

Cable Storage and handling

Indoor cables have to be stored in a dry and UV protected location (room or container). N.B. Watertight containers located outside may suffer from condensation and therefore cannot be assumed to be

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How to choose fiber optic pigtails?

Applications Fiber optic pigtails are used to terminated fiber optic cables via fusion splicing or mechanical splicing as shown in the picture below. The end of the

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