ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Recommended Optical Cable Laying Reel



Overview

Fiber Optic Cable Reels & Spools | Custom Steel & Plastic ReelsExplore our comprehensive selection of fiber optic cable reels and spools, including custom.

Key Takeaways

Selecting the right optical cable reel involves considering cable type, reel material, size, tension control, and environmental conditions to ensure safe and efficient deployment.Key Factors in Reel Selection

1. Material of the Reel

• Steel reels offer high strength and durability, ideal for harsh environments and long-term use, providing resistance to corrosion and maintaining shape under heavy loads .

• Plastic reels (e.g., HDPE) are lightweight, UV-resistant, and easier to transport, suitable for outdoor applications where weight is a concern .

• Wooden reels are less common but can be used for temporary storage or lighter cables . 2. Reel Size and Cable Capacity

• Choose a reel that accommodates the length and diameter of the fiber optic cable without exceeding the recommended bend radius .

• Proper sizing prevents excessive tension, kinking, or twisting during deployment. 3. Tension and Handling Features

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• Reels with tension control mechanisms or shock protection devices help prevent dynamic impact and maintain cable integrity during unwinding .

• Features like flip-out handles, stackable designs, and connector cradles improve mobility and ease of use, especially for field or military applications . 4. Environmental Considerations

• For outdoor or industrial projects, select reels that can withstand moisture, UV exposure, and mechanical stress .

• Protective covers or materials should remain in place until installation to prevent damage from dust, moisture, or temperature extremes . 5. Installation Best Practices

• Always maintain the proper bend radius and avoid sharp turns or edges during cable deployment .

• Use figure-8 loops when laying cable on the ground to prevent twisting .

• Reels should be stored on flat, firm surfaces and secured to prevent movement or tipping .

• Heavy reels should be moved upright using forklifts or reel movers, with forks perpendicular to the reel flange . 6. Specialized Applications

• Military or tactical reels may include color-coded assemblies, cleaning kits, and ruggedized construction for rapid deployment in harsh conditions .

• Industrial or oil and gas projects benefit from reels designed for high environmental tension and mechanical pressure .

Summary

Selecting the right optical cable reel requires balancing durability, mobility, cable protection, and environmental suitability. Steel or plastic reels are common choices depending on weight and strength requirements. Ensure the reel supports the cable's bend radius, includes tension control if needed, and follows proper storage and deployment practices to maintain fiber integrity and optimize installation efficiency.

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CableTransportationAndHandling Issue2 Aug 2023

The fiber cable payout from a reel laying on its side will create backbends in the cable and will not wrap properly on to

Fiber Optic Cable Reels, Cable Drum Dispensers, Spools

Cable drum dispensers for fiber cable pulling jobs, three piece lightweight spools for fiber storage, heavy duty cable reels for

Standard for Installing and Testing Fiber Optics

Safety in fiber optic installations specifically includes avoiding exposure to light radiation carried in the fiber; disposal of fiber scraps

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Fiber Optic Cable Reels

Our selection of Fiber Optic Cable Reels features only the best products available on the market that

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The cable reel should be placed well away from the first pole to prevent bending the cable excessively at the first pulley. The reel

Lashed Aerial Installation of Fiber Optic Cable

cables that may sag near the fiber optic cable. Determine the clearances between the proposed fiber optic cable plant and existing

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