

Assemble the optical cable reel



Summary of Content

Assembling an optical cable reel involves mounting the drum, securing the fiber optic slip ring or FORJ, aligning the reel, and properly routing the cable to ensure smooth deployment and retrieval.

Step 1: Prepare the Reel Components

- Identify the drum, side plates, bearings, and drive mechanism (hand crank or spring rewind) according to your reel model .
- Ensure all fasteners, handles, and cable guides are available and in good condition.
- If using a modular system like OCC MARS, confirm optional accessories such as flip-out handles, connector cradles, or divider plates are ready .

Step 2: Mount the Drum and Bearings

- Attach the drum to the side plates using the provided stainless-steel fasteners .
- Install the bearings (Delrin or ball bearings) to allow smooth rotation.
- For motorized reels, ensure the drive unit is properly aligned with the drum axis .

Step 3: Install the Fiber Optic Slip Ring or FORJ

- Place the fiber optic rotary joint (FORJ) or slip ring inside the drum housing, ensuring it is protected from mechanical stress .
- Connect the input and output fiber ends carefully, avoiding sharp bends or twists.
- Verify that the rotary joint is securely fastened and aligned with the drum rotation axis.

Article Content

OPGW Installation Manual

The bending radius of optical cable during laying process should be effectively guaranteed to avoid “gold hooks” and avoid too much

MARS® – RiO® Reel

By uniting the fiber optic cable assembly with a deployable patch panel, the RiO solution can connect multiple pieces of equipment

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

Fiber Optic Cable Reel User Manual

Connect the cable to be wound (AKA the deployment cable) on the reel to the connectors or pigtail in the drum exit port as required.

Unraveling the World of Fiber Optic Cable Reels: A High-Performance ...

Fiber optic reels are engineered specifically with the protection and deployment of fragile fiber strands in mind. Their

300 Series Tactical Cable Reel Assemblies

Fiber optic cable assemblies require the highest level of protection available to prevent damage during storage, transit, and

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When a reel of fiber cable is shipped from the manufacturer, it is structurally sound and will protect the fiber cable

How to install Tactical Fiber optic cable reel

How to install Tactical Fiber optic cable reel Wirenet Telecom Technology Co,Ltd; 6.5K subscribers 2

InstaReel System

The system of reels has been optimized to enable quick installation of subscriber connections, seamless integration with fibre optic

Contact Us

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