

How to connect fiber optic cable to RRU



Article Overview

Connect the fiber optic cable to the RRU via the CPRI port, ensuring proper handling, outdoor-rated cable use, and secure connections to the BBU/DU.

Identify the Correct Ports

Most RRUs have CPRI ports (e.g., CPRI0, CPRI1) for fiber optic connections to the baseband unit (BBU/DU) . These ports are bi-directional and handle both transmit and receive signals. Check the RRU model to confirm the number and labeling of CPRI ports, as some models may have only one.

Prepare the Fiber Optic Cable

Use a field optical cable designed for outdoor use, which is durable, weather-resistant, and suitable for mobile installation . Ensure the cable has the correct connector type compatible with the RRU, typically SC/APC or SC/UPC. Avoid bending the cable sharply to prevent signal loss or damage.

Connecting the Cable

- **Power Off Equipment:** Before connecting, ensure the RRU and BBU/DU are powered off to prevent damage.
- **Open the Connector:** If using a quick-lock fiber optic connector, open it carefully to expose the fiber .
- **Insert into RRU:** Plug the fiber optic connector into the CPRI port on the RRU. Ensure it clicks or locks securely.
- **Route the Cable:** Run the cable along the designated path, avoiding sharp bends...

Article Content

Fiber Internet Installation: Step-by-Step Guide (2026)

Fiber internet uses fiber optic cables instead of coaxial cables or metal wires to transmit data. Unlike traditional cable

Understanding RRU in Telecommunications

1. RRU stands for Radio Remote Unit and is the distributed frequency unit that connects to an operator's network and user

MOP for Telecom Antenna Installation

Fiber Optic Cables are used for data transmission and are laid inside PVC Pipes, which are flexible and protect the cables from

EUCAHYBRID Boxless Instructions Manual

1. Presentation of the Eucahybrid "boxless" system Eupen's Eucahybrid is a range of hybrid cables which combine power and fiber

Complete Guide to Fiber Optic Home Networking | BroadbandSearch

Build a home fiber network for 1-2 Gbps speeds with this complete guide to installation, troubleshooting, and performance.

Installation Guide

To avoid any damage to optical cables, the cables connected to the RRU must be installed according to the installation process. For

RRU Installation and Hardware Guide

It describes the appearance and functions of the RRU, and outlines the steps for installing the RRU units, connecting the power and

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Figure 7-6 CPRI fiber optic cable connections for multiple RRUs in the multi-mode scenario 7.3 Installation Process This section

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10.1 Adding an Easy Power Receptacle (Pressfit Type) Connector to the RRU Power Cable on the RRU Side This section describes

Cabling Requirements

Before hoisting fiber optic cables onto the tower, connect the fiber optic cables to the RRU or BBU based on the labels on both ends

Be Your Own Technician: DIY Fiber Optic Installation Guide

In the spirit of self-reliance and technical mastery, we've crafted this detailed guide to empower you to take control of

RRU Installation and Cable Guidelines

RRU Installation and Cable Guidelines This document provides instructions for installing RRU, DBS, BTS and TMA equipment. It

RRU-Remote Radio Unit: Function, Concept, Details

The RRU is connected to the base station via the fiber optic link which is bi-directional link. The optical interface link is

How to Connect Fiber Optic Cable to Your Router

Master the process of connecting a fiber optic cable to your router. Dive into preparation tips, setup instructions, and configuration

RRU & BBU Fiber Cable Installation Guide | PDF | Optical Fiber

RRU & BBU Fiber Cable Installation Guide This document provides guidelines for distributing and connecting optical fiber cables

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