

Rru optical cable connection



AI Overview

RRU optical cables connect the baseband unit (BBU/DU) to the RRU/AAU using field or hybrid fiber optic cables with specialized connectors for reliable outdoor and indoor deployment.

Types of Optical Cables for RRU

Field Optical Cables: These are lightweight, flexible, and metal-free cables designed for rapid deployment and repeated unplugging in complex environments. They typically come in 1, 2, or 4 cores and are used with removable connector plugs for patch cords or pigtails. Field cables are suitable for outdoor RRU/AAU connections due to their tension resistance, oil resistance, wear resistance, flame retardancy, and wide temperature range .

Hybrid Cables (Eucahybrid Boxless): These combine power and fiber optic lines in a compact aluminum corrugated tube. The fiber optic portion connects to the RRU via optical jumper cables, while the power lines connect directly to the RRU. Factory-installed Duplex LC connectors and EucaConnect adaptors ensure robust, IP67/68-rated connections suitable for harsh environments .

Remote Optical Cables: Used for local remote extensions, these cables can traverse corridors, pipelines, or across buildings. They are flexible, lightweight, and suitable for both indoor and outdoor use, with high reliability and environmental resistance .

Connection Procedure

- **Antenna End (RRU/AAU):** Open the quick-lock fiber optic connector and plug the active connector into the RRU/AAU optical module. Ensure the connector is clean and free of dust to prevent signal loss

Article Content

Mar 15, 2026

Ericsson RRU Power Cable Overview | PDF | Technology

Ericsson RRU Optical & Power Cables - Free download as PDF File (.pdf), Text File (.txt) or read online for free. This document

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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

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Which Optical Modules Are Commonly Used In 4G Base Stations?

In this blog, ETU-LINK will talk about 4G base stations and common types of optical modules. The base station can be divided into

Sep 06, 2025

RRU5935E Hardware Description

Hardware description for RRU5935E remote radio unit. Details exterior, functions, ports, specs, cables, and RF connections. For

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CPRI Cable Functions in Telecom | PDF | Optical Fiber

CPRI is the standard interface defined for communication between baseband units (BBU) and remote radio units (RRU) in mobile

May 09, 2026

RRU Installation and Hardware Guide

The document provides instructions for installing RRU, DBS, BTS and TMA equipment and their

Dec 29, 2025

Remote Radio Unit Installation and Interface

Connection Interface Grounding the RRUS Hoisting the Optical Cable from the Main Unit Connecting the Optical Cable to the RRUS

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RRU Cables: Bridging the Gap in Wireless Infrastructure

This article aims to shed light on how RRU cables, including products like fiber optic cables and micromodule

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Cellular Network Infrastructure: From Antenna to BBU

Connectivity to BBU: The RRU connects to the BBU through a bi-directional fiber optic link, usually using the Common

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Hybrid Jumper Assemblies

The Diamond Optics hybrid jumper is applied on mobile masts servicing the Remote Radio Unit (RRU) from the Junction Box with

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PW-S-16U3-C

RFS" HYBRIFLEX™ cabling solution for Remote Radio Unit (RRU) combines optical fiber and DC power in a single

Sep 28, 2025

RRU5909 Hardware Description: Ports, Cables, Functions

Table 1 RF cable connections for the RRU RRU Model Specifications of a Single RRU Scenario RRU5909, RRU5309, RRU5309w,

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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

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RRU-Remote Radio Unit: Function, Concept, Details

The working, concept and function of Radio remote Unit RRU is to connect user equipment's with network using

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CPRI Cable Function and Details in Telecom

CPRI is called Common Public Radio Interface, is an optical cable whose function is to transfer signals between BBU

Oct 22, 2025

eRRU Quick Installation Guide (V100R005C10_04) (PDF)-EN

This guide provides quick installation instructions for the eRRU device, covering setup procedures and essential

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Connecting the RRU AAU Optical Cable

Field optical cables meet these requirements well, so field optical cables are widely used for connection between base

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eRRU Quick Installation Guide (V100R005C10_04) (PDF)-EN

Connect the M6 OT terminal at one end of the PGND cable to the ground terminal at the bottom of the eRRU and the

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What is RRU, BBU and Antenna?

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

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Microsoft PowerPoint

RRU power cable CPRI optical cable The RRU power cable is connected to one group of the RRU0 to RRU5 terminals of the PDU.

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What is RRU and BBU

The RRU is further connected to the antennas via coaxial cables and power dividers

Nov 30, 2025

EUCAHYBRID Boxless Instructions Manual

At the top side, the power cable is directly plugged into the RRU, whereas the fiber optic is connected to the RRU via an optical

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EUCAHYBRID Hybrid Cable Solution for RRH

These sub-units are we-ather-tight and UV protected, and integrated into one “feeder” cable assembly. They can connect directly to

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Installation Guide

When installing the RRU power cable, connect the power cable to the RRU connector first and then to the power equipment

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RRU Installation and Cable Guidelines

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

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After the cables are installed on the RRU, insert the waterproofing fillers into the idle cable holes. When wrapping the waterproofing

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HUAWEI RRU3971 INSTALLATION MANUAL Pdf Download

Page 105 Figure 8-11 Cable connections of multiple single-mode RRUs (1) RRU PGND cable (2) RRU RF jumper (3) RRU power

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Connecting the RRU AAU Optical Cable

The field optical cable is a kind of metal-free optical cable specially designed for rapid wiring or repeated retractable

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Remote Radio Unit

Radio Remote Unit (RRU) is the distributed and integrated frequency unit that connects to an operators network with

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Installing the RRU Cables Cable Connections of a Single RRU PGND cable Feeder jumper Power cable CPRI optical cable Alarm

Aug 24, 2025

PW-S-08S2-J

RFS" HYBRIFLEX™ cabling solution for Remote Radio Unit (RRU) combines optical fiber

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RRU-BBU connections

With the GMO, are the RRUs are still connected to the BBU via a fiber optic connection, just a shorter one?

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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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Installing the RRU on a Metal Pole Installing a Single RRU in Ordinary Mode Install the main fixture. 1. Before installing the main

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What is field tactical optical cable? Is it a must to

Tactical fiber cable is a kind of military optical cable metal-free with DLC connectors in field

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://ntmmgroup.co.za>

Email: sales@ntmmgroup.co.za

Phone: +27 82 471 2596

Address: Unit 7, Optic Park, 24 High-Tech Lane, Century City, Cape Town,
7441, South Africa

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