

How to connect the serial cable in a network cabinet



Article Overview

To connect a serial cable in a network cabinet, identify the device type (DTE or DCE), select the correct cable and connector, and route it neatly with proper labeling and strain relief.

Step 1: Identify Device Roles

Serial connections involve two types of devices: Data Terminal Equipment (DTE) and Data Communications Equipment (DCE). The DCE device provides the clock signal for communication, while the DTE device receives it. Check the device documentation or look for a jumper/switch to determine its type, as this affects which cable you need to use (Cisco recommends CAB-500DTM or CAB-500DTF depending on DTE/DCE) .

Step 2: Select the Correct Cable and Connector

- Connector gender: Male connectors have pins, female connectors have sockets. Match the connector to the device port.
- Cable type: Ensure the cable supports the required signaling standard (RS-232, RS-449, etc.) and length.
- Pre-terminated patch cords are recommended for short connections within the rack to simplify installation and reduce errors .

Step 3: Plan Cable Routing...

Article Content

Mar 22, 2026

Serial Cable Connection Guide

There are so many different serial cables, with seemingly similar features, finding the correct cable can be tricky. This document

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Installing and setting up a network cabinet system correctly is essential for maintaining an efficient and organized

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Connect the network port on the computer directly to the Ethernet port on the serial server through a network cable. In

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In this video we take a look at some of the equipment I use when setting up a network

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To cable a server cabinet correctly, it is therefore also necessary to draw up a plan in advance of where the

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Connecting a Serial Device to an Ethernet LAN

Connecting a Serial Device to an Ethernet LAN: Connecting a Serial Device to an Ethernet LAN This

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Learn the do's and don't of network cable installation, from the planning process to the

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How to Make a Network Cable: Easy Steps (with Pictures)

This is fairly easy because Cat 5 cable construction guidelines are straightforward.

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Learn Network Cable Management for Home Racks

In this video I build a network rack from scratch, explaining along the way the each step

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Discover rack unit sizing, cable management, labeling, bonding, and grounding for optimal

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How to Correctly Wire a Network Rack? - VCELINK

Discover how to wire a network rack with step-by-step instructions, expert tips, and best practices.

Contact Us

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