

FC interface of network cable



Summary of Content

An FC interface network cable uses a Fibre Channel protocol over fiber optic or copper cabling, typically terminated with an FC (Ferrule Connector) for high-speed, reliable data transmission.

Overview of Fibre Channel (FC) Networks

Fibre Channel is a high-speed data transfer protocol primarily used to connect servers to storage systems in Storage Area Networks (SANs). It ensures in-order, lossless delivery of block data and supports data rates from 1 Gbps up to 128 Gbps, depending on the technology generation . FC networks usually form a switched fabric, where multiple switches operate together as a single network, providing redundancy and high throughput . While originally designed for optical fiber, FC can also run over copper cabling .

FC Connectors

The FC connector is a fiber-optic connector with a threaded, round metal body designed for secure connections in high-vibration environments . Key features include:

- Ferrule Diameter: 2.5 mm, typically made of zirconia ceramic or stainless steel .
- Polish Types: FC/PC (Physical Contact), FC/SPC (Super Physical Contact), FC/UPC (Ultra Physical Contact) for low insertion loss and minimal back-reflection .
- Locking Mechanism: Screw-threaded design prevents rotation and ensures a stable connection .

Article Content

Overview of Fibre Channel | Junos OS | Juniper Networks

The gateway receives FC frames encapsulated in Ethernet from FCoE devices through an FCoE VLAN interface composed of one or

FC Connector Explained

FC/APC Connectors come with different key widths tailored to specific loss requirements. Assembly of the FC

FC connector

The FC connector is a fiber-optic connector with a threaded body, which was designed for use in high

Fibre Channel Connectivity

Fibre Channel standards define the links and protocols that form storage area networks (SANs). The Fibre Channel protocol runs on

Configuring Fibre Channel Interfaces

Physical Fibre Channel Interfaces Cisco Nexus 5000 Series switches support up to sixteen physical Fibre Channel (FC) uplinks

Fibre Channel over Ethernet

Fibre Channel over Ethernet (FCoE) is a computer network technology that encapsulates Fibre Channel frames over Ethernet

Fibre Channel Protocol

Fibre Channel consists of the following layers: FC-0 -- The interface to the physical media FC-1 -- The encoding and decoding of data

What are Fibre Channel port types?

Learn about the various types of Fibre Channel ports on FC switches and routers and what each is used for in a Fibre

Fiber Connector Types Demystified: LC, SC, FC, ST, MTP, and MPO

Fiber Connector Types play a pivotal role in ensuring efficient and reliable communication in modern networks.

Fibre Channel (FC) interface

These modules may have Fibre Channel ports, Ethernet/iSCSI ports, or even NVMe-over-FC support. They ensure high-speed data

Fibre Channel

FC used throughout all applications for Fibre Channel infrastructure and devices, including edge and ISL

Fiber Optic Connectors: LC, SC, FC,

Compare LC, SC, FC, ST, and MTP/MPO fiber connectors. Learn their structures, applications, advantages, and

Fiber Optic Patch Cables: FC, SC, ST & LC Connector Guide 2026

Not sure which fiber optic patch cable to buy? This practical guide breaks down FC, SC, ST, and LC connectors—with

Fiber Connector Types

The above article has comprehensively introduced the LC, SC, FC, ST, MTP, and MPO

Cabling considerations for new FibreChannel links

A Fibre Channel (FC) storage area network (SAN) and Inter-Switch-Link (ISL) interfaces are an important part of

Fibre Channel

What is Fibre Channel? FC (Fibre Channel) is a network technology, predominantly used within storage area networks,

Differences Between ST, SC, FC, and LC Fiber

Answer first: select ST, SC, FC, LC, MPO/MTP, or another connector from the equipment

Inside a Modern Fibre Channel Architecture – Part 1

FC-0 the physical interface (FC-0) consists of transmission media, transmitters, and receivers and their interfaces

Fibre Channel Layers

In summary, the FC-2 layer is responsible for the routing and switching of data frames in a Fibre Channel network, and

Fiber Connector Types

The SC-LC fiber which separately terminates an SC interface and LC interface at both ends

The Ultimate Guide to FC Connector: Everything You

A: A connector FC is a type of optical fiber used in a fiber optic telecommunications or data

Fibre Channel Layers

Fibre Channel FC-2 Overview: Fibre Channel FC-2 refers to the network layer of the Fibre Channel architecture. It is

FC Connector Explained

The FC Connector offers a durable, threaded design for secure fiber optic connections. It is cost-effective and

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Fibre Channel (FC) is a high-speed network technology that interconnects network elements and allows them to communicate with

What Is Fibre Channel? | Enterprise Storage Forum

How Does Fibre Channel Work? FC is based upon the Fibre Channel Protocol (FCP) that

Optical fiber connector

Optical fiber connectors are used in telephone exchanges, for customer premises wiring, and in outside plant applications to connect

Understanding Fibre Channel Terminology

To understand the Fibre Channel (FC) and Fibre Channel over Ethernet (FCoE) capabilities, you should become familiar with the

FCP (Fibre Channel Protocol)

FCP Features Fibre Channel: Data transfer speed of up to 128Gbps over a distance of 10Km. Both Fiber optic cable

Contact Us

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