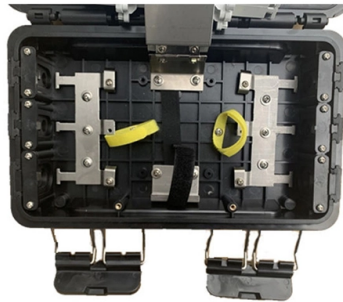


Multimode fiber optic cable FC interface



Article Overview

A multimode fiber optic cable with an FC interface uses a threaded, keyed connector with a 2.5mm ferrule, suitable for high-vibration environments and precise fiber alignment.

FC Connector Overview

The FC (Ferrule Connector) is a fiber optic connector featuring a round, threaded coupling nut that ensures a secure connection, making it ideal for environments with vibration or movement. The connector uses a 2.5mm ferrule, which can be made of stainless steel or ceramic for multimode fibers, with hole sizes typically ranging from 80µm to 1100µm depending on the fiber core diameter. The ferrule is axially spring-loaded, which maintains physical contact between fiber end faces and minimizes insertion loss.

Multimode Fiber Compatibility

Multimode fibers have larger core diameters (commonly 50µm or 62.5µm) compared to single-mode fibers, allowing multiple light modes to propagate. FC connectors are compatible with these fibers and can be used in PC (Physical Contact) or UPC (Ultra Physical Contact) polishing types, which reduce back reflection and improve signal quality. Multimode FC cables are often used in datacom, telecom, and measurement equipment applications.

Cable and Connector Features...

Article Content

May 11, 2026

Fiber Optic Connector Types Explained | FiberCablesDirect

Make sure you're choosing the correct fiber optic connector for peak performance. Learn more about fiber connector types in our guide.

May 13, 2026

Multimode Fiber Types: OM1 vs OM2 vs OM3 vs OM4 vs OM5

How Many Types of Multimode Fiber? Identified by ISO 11801 standard, multimode fiber optic cables can be classified

Dec 13, 2025

Fibre Channel

Fibre Channel typically runs on optical fiber cables within and between data centers, but can also run on copper cabling.

May 24, 2026

How to Specify Single-Mode and Multimode FO Connectors

As fiber optic technology continues to expand and evolve at an increasingly rapid rate, we asked the Fiber Optic

May 13, 2026

Multimode Fiber Optic Connectors - Mouser

Multimode Fiber Optic Connectors are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Multimode

Aug 02, 2025

FC Duplex Multimode Fiber Optic Cable

The FC fiber optic patch cable is available in both singlemode and multimode versions, and is fully intermateable with NTT-FC

Oct 06, 2025

Fiber Optic Connector Types and Spcification SC LC FC DIN MPO ...

These connectors are used for single-mode and multimode fiber-optic cables. FC connectors offer extremely precise

Sep 01, 2025

Fiber Optic Adapters | Multilink

Multilink's family of standard and specialized fiber optic adapters allow you to select options like Singlemode or Multimode, connector

May 22, 2026

Multimode Fiber Optic Patch Cables

In addition to our stocked multimode patch cables, we offer a custom fiber optic patch cable service with many options eligible for

May 15, 2026

How Many Fiber Connector Types Do You Know?

Fiber optic connectors that come in various configurations and types are important components of fiber optic cables.

Apr 06, 2026

FC Connectors

We offer a variety of FC fiber optic connectors to accommodate both single-mode fibers and large-core multimode optical fibers. The

Sep 19, 2025

FC Connector | Precision Fiber Optic with ACA

The FC connector by DIAMOND SA is a robust, high-precision fiber optic solution with threaded coupling

Nov 04, 2025

FC connector

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

Oct 22, 2025

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

ST connectors are typically used in multimode datacom but have also been replaced by SC or LC connectors. Fiber

Jul 20, 2026

Fiber Optic Connectors Guide: LC vs SC vs FC vs ST vs MTP/MPO –

Fiber optic connectors are passive components that join optical fibers, enabling light signals to travel between cables,

Nov 08, 2025

Fibre optic connector systems | singlemode and multimode

Fibre optic connector systems for almost every aspect of fibre optic cabling.
Standard, individual and robust connectors.

Aug 12, 2025

SFP Fiber Optic Connector Types: LC, SC, MPO Explained

Explore common SFP fiber optic connector types, including LC, SC, and MPO/MTP.
Learn their differences, use cases, and

Contact Us

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

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

Email: sales@khanimamboguesthouse.co.za

Phone: +27 64 852 1973

Address: Unit 7, Greenway Business Park, 8 Innovation Drive, Centurion, 0157,
South Africa

This document is for informational purposes only. Specifications subject to
change without notice.

