

15-meter single-mode dual-core optical fiber



Summary of Content

A 15-meter single-mode dual-core (duplex) optical fiber typically features a 9/125 μm core/cladding, LC or LC/SC connectors, and supports high-speed data transmission over long distances.

Key Specifications

- Length: 15 meters (~49 feet)
- Fiber Type: Single-mode (OS2 standard)
- Core/Cladding Diameter: 9 μm core / 125 μm cladding
- Configuration: Duplex (dual-core) for synchronous communication between devices
- Connectors: Commonly LC/LC or LC/SC, depending on the application
- Jacket: PVC or zip-cord reinforced, suitable for indoor or indoor/outdoor use
- Outer Diameter: Typically 2.0 mm for zip-cord reinforced cables

Performance

- Data Transmission: Supports 10Gb Ethernet over distances of 5–10 km at 1310 nm and up to 40 km at 1550 nm
- Attenuation: Maximum 0.4 dB/km, ensuring minimal signal loss over the 15-meter length

Article Content

The Difference Between Single/Dual Fiber and Single/Multi-Mode Optical ...

As fiber optic networks continue to evolve, selecting the right optical transceiver becomes increasingly important.

Single Mode Fiber Cables, Single-mode Duplex Cables, OS2 Patch

OS2 LC LC Single Mode Fiber Patch Cable | 1Gb/10Gb Duplex 9/125 LC to LC Singlemode Jumper Cord. Manufactured with the

Fiber Optic Cable Types - Multimode and Single Mode

The Optical Core - a glass tube (core) propagates the light signals through the fiber cable. Glass is inherently reflective and is a

Single Mode to Multimode Converters | Fiber to Fiber

Easily connect different fiber types and wavelengths to convert Single Mode to Multimode (SM to MM), or extend the distance of

Fiber Optics Part 2: Single-Mode Fiber vs. Multi-Mode-Fiber

The core of single-mode fiber is much smaller than that of multi-mode but the cladding diameters of both are the

15M Fiber Optic Cable

This singlemode, duplex fiber cable is comprised of corning optical fiber with ceramic connectors. The connectors utilize a UPC (Ultra

Duplex Singlemode 9/125 Fiber Optic Cable LC-LC,

Singlemode duplex fiber optic LC/LC Ethernet cable is manufactured from 9/125 zipcord fiber. The cable

15m Singlemode Duplex Fiber Optic Patch Cable (9/125)

Our 15 meter LC to SC (9/125) singlemode duplex fiber optic patch cables are made from Corning glass and offer superior performance.

Duplex Singlemode 9/125 Fiber Optic Cable LC-LC, 15M 50-ft | Eaton

Singlemode duplex fiber optic LC/LC Ethernet cable is manufactured from 9/125 zipcord fiber. The cable has LC connectors on one

15m OS2 LC/LC Duplex Corning Fiber Optic Cable

At the core of this cable's design is the high-quality single-mode fiber with a 9/125

15M Fiber Optic Cable

15M Fiber Optic Cable - Single Mode LC to LC With LC to LC connectors, this fiber patch cable is ready for deployment in any

Fiber-optic cable

A fiber-optic cable, also known as an optical-fiber cable, is an assembly similar to an electrical cable but containing one or more

15m Singlemode Duplex Fiber Optic Patch Cable

Our 15 meter LC to SC (9/125) singlemode duplex fiber optic patch cables are

Single-Mode Optical Fiber (SMF)

Draka Single-Mode Fiber (SMF) provides optimum performance in both the 1310 nm and 1550 nm wavelength operation ranges

Singlemode 9/125 Fiber Cables | CableWholesale

Find fiber optic patch cables in length from one meter up to 30 meters or order bulk singlemode fiber cable with our 1000-foot spools.

fiber optic cable multimode versus singlemode duplex vs simplex

Workstations, fiber switches and servers, fiber modems, and similar hardware require duplex cable. Duplex fiber is available in

Optical Fiber: Single-Mode Multimode Single-Fiber Dual-Fiber

Normally, no. Single-mode fiber and multimode SFPs are designed for different core sizes and light types. A multimode

What Is A Single-Fiber BiDi Transceiver?--ETU-LINK

When planning a fiber optic network, one key decision is choosing between single-fiber (BiDi) and dual-fiber optical transceivers. This

Fiber-optic communication

An optical fiber patching cabinet. The yellow cables are single-mode fibers; the orange and blue cables are

Single Mode Fiber

Single Mode Fiber: 320 to 430 nm Thorlabs' SM300 fiber consists of an undoped, pure silica core

Singlemode vs Multimode Fiber Optic Cable

We breakdown the differences between single mode and multimode fiber optic cable, covering aspects like physical

15 meter LC/LC Singlemode Duplex Fiber Optic Cable, 9/125

Product Description This 15 meter (~49 feet) fiber optic cable is terminated with LC (Lucent Connector) connectors on both ends. It is

The Key Differences Between 1-core, 2-core, Single

Single Mode fibers have a smaller core, allowing light to travel in a single, straight path,

Contact Us

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

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

Email: sales@benniedesignstudio.co.za

Phone: +27 82 391 4765

Address: The Towers, 1 St Georges Mall, Cape Town, 8001, South Africa

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

