

Features of Dual-Core Fiber Optic Patch Cords



AI Overview

Dual-core fiber optic patch cords integrate two optical fibers into a single cable, offering compact routing, flexible polarity options, and high-performance connectivity for singlemode and multimode networks.

Cable Construction

Dual-core patch cords, often referred to as Uniboot patch cords, combine two optical fibers into a single 2.0mm or 3.0mm cable, reducing bulk and simplifying cable management in high-density environments such as data centers and enterprise networks (). The cable jacket is typically flame-retardant and rugged, with options for indoor LSZH (Low Smoke Zero Halogen) or outdoor-rated materials ().

Fiber Types

These patch cords are available in both singlemode (OS2) and multimode (OM1, OM2, OM3, OM4, OM5) fibers to support a range of network speeds, including Gigabit Ethernet, 10 Gigabit Ethernet, and high-speed Fiber Channel (). Bend-insensitive fibers (G.657-A2/B2) are often used to maintain low light loss and tight bend radius in office or data center applications ().

Connectors

Dual-core patch cords support a wide variety of connectors, including LC, SC, ST, FC...

Article Content

Mar 02, 2026

Fiber Optic Patch Cords Guide | Types, Connectors & Applications

This guide will help you quickly understand the main types of fiber patch cords and how to choose the right solution

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Fiber-optic patch cord

A fiber-optic patch cord is constructed from a core with a high refractive index, surrounded by a coating with a low refractive index,

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Low-Autofluorescence Dual Fiber-optic Patch Cords

The other side of the patch cord can also end with a dual ferrule connector or with separate FC connectors for each fiber. The Dual

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Fiber Optic Patch Cord Guide: Types, Connectors

Confused about fiber optic patch cords? Learn the differences between single mode and

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Fiber Optic Cable Assemblies | Fiber Patch Cords and Fiber Jumpers ...

Fiber Optic Cable Assemblies Corning offers the most complete line of connectors and factory-terminated cables, from single-fiber

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Understanding Fiber Patch Cord Types

The right fiber patch cord not only ensures optimal performance but also minimizes signal loss, reduces downtime, and supports

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Fiber Patch Cord & Pigtail: Types, Specifications & Selection | Opelink

This article is a selection guide for Fiber patch cords and pigtails, which systematically introduces the definitions and

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Types of fiber optic patch cords

LC fiber optic patch cords, with their compact connectors with a diameter of 1.25mm, have become the first choice for

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FS Community

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

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Fiber Optic Patch Cords Guide | Types, Connectors & Applications

Explore fiber optic patch cords for telecom, data centers, and FTTH. From LC/SC to MPO/MTP and armored jumpers,

Sep 28, 2025

A Comprehensive Guide to Fiber Optic Patch Cables

Fiber optic patch cables are found almost everywhere; cable television networks (CATV), data centers, computer networks, and

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LCFiberOpticPatchCordCables LC F

Description Fiber Optic Patch Cable also known as fiber patch cord cable,optical cable or fiber optic jumper. As an important

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Fiber Patch Cables Explained 2025: Types, Connectors,

Introduction: why fiber patch cables matter? In a modern data center, every high-speed

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Ultimate Guide to Fiber-Optic Patch Cables: Types, Selection, and

Learn about fiber optic patch cables, their types, construction, applications, and how to choose the right one for your

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Dual-Core Multimode Fiber Patch Cables for Optogenetics

Thorlabs' dual-core products allow high-intensity light from two different sources to be implanted within a specimen in close proximity

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2 Core Single Mode Armored Optic Fiber Patch Cord

Product Details The armoured patch cord is engineered for environments where a standard

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Fibre Patch Cord | Broadex Technologies

Dual-core Uniboot Patch Cord The dual-core Uniboot patch cord integrates two optical fibers into a 2.0mm or 3.0mm optical cable,

Jan 01, 2026

Two-Fiber Patch Cords

This patch cords comes with an A-B flipped polarity from the factory, but can be easily changed to A-A straight through polarity with

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Opti-Core® Fiber Optic Patch Cords

Patch cords from Panduit support network applications in main, horizontal, and equipment

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Fiber Optic Cable Types Explained: Choosing the Right Fiber Cable

Explore different types of fiber optic cables, from single mode to armored and LC uniboot options. Learn how to choose the right fiber

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Dual Fiber-optic Patch Cords – Doric Lenses

The other side of the patch cord can also end with a dual ferrule connector or with separate FC connectors

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Fiber Patch Cables – fiber-optic patch cords,

Fiber patch cables are a protected and connectorized fiber-optic cable, mostly used for short-distance

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What Are Fiber Patch Cord Types and How to Choose?

Conclusion Fiber patch cord has helped many people to achieve larger bandwidths and greater speeds, and the

Jul 26, 2025

Fiber Optic Patch Cord Types

Learn about fiber optic patch cord types—MPO, LC, SC, FC, ST—plus key features and uses to optimize your

Feb 03, 2026

Fiber Optic Patch Cord

Fiber patch cords are one of the most widely used basic components in optical communications. UnitekFiber supplies

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11 Things You Need to Know About Fiber Patch Cable

The Singlemode fiber patch cable is an optical fiber cord that can only support one light signal. A Singlemode fiber

Mar 09, 2026

Standard Multimode Fiber Patch Cables | Multi-mode Optical Fibers

Features Custom Multimode Patch Cables Use Model Number F-PATCH-CUSTOM to configure a custom fiber-optic patch cord

Contact Us

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