Price of 12-core optical fiber cable connector



Overview

"12 Core Fiber Optic Cable" Our comparison guide covers top distributor reliability, recent price shifts, and customization options, all key for electrical.

Key Takeaways

The price of a 12-core optical fiber connector typically ranges from $10 to $50 per unit, depending on type, mode, and supplier.

Overview

A 12-core optical fiber connector is commonly used in high-speed data centers and telecom networks, often in MPO/MTP configurations. It houses 12 fibers in a single ferrule, supporting applications like 100G Ethernet (100GBASE-SR4) and 40G BiDi, and is compatible with breakout cabling for higher-speed migration. These connectors are available in single-mode for long-distance transmission and multi-mode for shorter spans.

Pricing Factors

The cost of a 12-core connector depends on several factors: Connector Type: MPO/MTP connectors are generally more expensive than LC or SC adapters due to higher fiber density. Fiber Mode: Single-mode connectors are slightly more expensive than multi-mode due to precision requirements. Quantity: Bulk orders reduce per-unit cost; small quantities may be priced higher.

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Supplier and Brand: Reputable suppliers like DigiKey, Mouser, and Alibaba offer a range of prices and quality levels. Typical Price RangeLow-end / generic connectors: $10–$20 per unitMid-range / branded MPO connectors: $20–$35 per unitHigh-end / precision or factory-polished connectors: $35–$50 per unit For example, DigiKey and Mouser list 12-fiber MPO connectors and assemblies with prices in this range, depending on specifications and shipping options. Alibaba offers bulk 12-core fiber optic connectors and cables, which can reduce the per-unit cost for large orders.

Purchasing Tips

Verify compatibility with your transceivers (QSFP+, QSFP28, QSFP-DD, OSFP). Check fiber mode (single-mode vs multi-mode) and core arrangement (1x12). Consider pre-terminated assemblies for faster deployment and reduced installation errors.

Compare suppliers for warranty, quality certifications, and shipping costs. By considering these factors, you can select a 12-core optical fiber connector that balances performance, compatibility, and cost efficiency for your network deployment.

Article Content

"12 Core Fiber Optic Cable"

Our comparison guide covers top distributor reliability, recent price shifts, and customization options, all key for electrical OEM projects. Need precise procurement insights? Contact us for tailored price

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You gain latest optical fiber specifications, tracking top market trends, and direct wholesale access for competitive pricing. For industry-leading electrical buyers, submit an inquiry to check availability.

12 Core Fiber Optic Cable

Discover 12 core fiber optic cables for FTTH and telecom networks. Explore durable, CE-certified fiber-optic cable options with G652D/G657A2 fibers.

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Discover 12 core fiber optic cable price for aerial, FTTH, and telecom use. CE/ROHS certified, PE jacket, steel/FRP strength member, 2-288 core options.

GYFTY Fiber Optic Cable Price & Datasheet

12-24-48-72-144 Core GYFTY Fiber Optic Cable FRP non-metallic Single Jacket Waterproof Dielectric Loose Tube ? Price For Sale and Specifications ina

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Fiber Optic Color Code: The Ultimate TIA-598-C Guide

Master the TIA-598-C fiber optic color code standard. Read our complete guide and use our free interactive calculator to easily identify 1-144 core cables.

Monaco 12 Core Optical Cable Buyers & Importers

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You can diagnose and repair simple fiber link problems with Fluke Networks'' VisiFault TM Visual Fault Locator (VFL). The laser-powered VisiFault Visual

Custom Cable Assembly Manufacturing | Fibertronics, Inc.

Fibertronics, Inc. is an SBA certified woman-owned small business providing USA manufactured customized fiber optic and low voltage cable assemblies, and

Fiber Optic Cables

CommScope designs and manufactures a comprehensive line of fiber optic cables—from outside plant to indoor/outdoor and fire-rated indoor fiber cables.

13,824-Core Fiber Optic Cable: Furukawa Electric

Furukawa Electric''s Lightera begins mass production of the world''s highest-class 13,824-core ultra-high-density fiber optic cable. Learn how this

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Fiber Optic Cable

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Belden''s extensive line of indoor and outdoor cable products is offered in tight buffer and loose tube designs. Learn more about each fiber cable Belden has to offer.

Fiber Optic Connector Types: A Beginners Guide

The fiber connector types, sometimes referred to as terminations, link fiber optic cables together through terminals, switches, adapters, and patch panels, by bridging the gap between their

12 Fiber OM4 MPO Fiber Trunk Cable,Female,Type

Optcore offers 40GB 50/125 Multimode OM4 MPO Female to MPO Female Fiber Optic Trunk Cable (12 Fiber, Type B, LSZH, Magenta) at Affordable Factory

12 Core Optical Fiber Cable

Our 12 Core FTTH Single Mode Optical Fiber Cables are designed to meet the specific needs of telecom operators and ISPs. They provide high-performance

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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