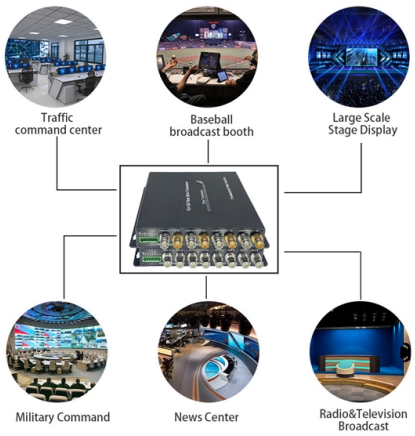
How to quote a price for multimode fiber optic fusion splicing



Overview

Fusion Splicing Services We use Fujikura, Sumitomo, and Precision Rated Optics fusion splicing equipment, as well as, EXFO and Viavi OTDR's and OLTS equipm.

Key Takeaways

Multimode fiber optic fusion splicing typically costs between $50 and $150 per splice, depending on project size, location, and site conditions.

Typical Pricing

For most commercial projects, fusion splicing of multimode fiber is priced at $50–$150 per splice point. This rate generally includes the labor for splicing and OTDR verification of each joint but does not cover materials like closures, trays, or project management fees (SpliceList). Some service providers may offer fixed unit pricing per enclosure, for example, $275 per enclosure point, which includes labor, equipment usage, and testing, but excludes hardware (Adtell Integration).

Factors Affecting Cost

Project Size and Fiber Count: Larger projects with high fiber counts often benefit from volume pricing, reducing the per-splice cost. For instance, a 24-fiber job may cost $100 per splice, while a 288-fiber project could drop to $55 per splice (SpliceList). Access and Site Conditions: Splicing in easy-to-access aerial locations is cheaper than underground vaults or confined spaces, which require additional safety measures, equipment, and sometimes a second crew member (SpliceList).

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Labor and Technician Expertise: Certified technicians are essential for high-quality splices. Labor rates can range from $50 to $150 per hour, depending on complexity and location (Genuine Modules). Setup time for each splice can add $30–$60 in labor costs for drop locations (PPC Online).

Equipment Costs: Fusion splicing requires specialized tools such as a fusion splicer ($3,000–$15,000), cleaver ($500–$2,000), and OTDR ($5,000–$20,000). These costs are typically included in the service fee when hiring a contractor (Genuine Modules).

Comparison to Other Methods

Mechanical splicing is generally cheaper upfront ($5–$12 per splice) but has higher signal loss and is less reliable for long-term installations (PPC Online). Pre-terminated fiber can reduce labor costs and installation time but requires careful planning for cable lengths (PPC Online).

Regional Considerations

In regions like Hong Kong, total fiber optic cabling projects, including splicing, can range from HK$10,000 to HK$240,000, depending on fiber type, cable length, and building regulations (HK How Much). Costs may vary similarly in other locations based on local labor rates, permits, and access conditions.

Summary

For budgeting purposes, expect $50–$150 per multimode fusion splice, with potential adjustments for project scale, site complexity, and labor rates. Always request OTDR test reports and confirm whether mobilization, materials, and warranty are included in the quoted price to avoid unexpected costs.

Article Content

Fusion Splicing Services

We use Fujikura, Sumitomo, and Precision Rated Optics fusion splicing equipment, as well as, EXFO and Viavi OTDR''s and OLTS equipment to provide you with complete, documented results. This

Fiber Optic Repair Cost: Price Guide for U.S. Buyers 2026

Buyers typically pay a wide range for fiber optic repair, driven by splice complexity, cable length, site access, and required certifications. This guide lays out cost expectations, with clear

Fiber Splicing Costs And Capitalization Guidelines

Understanding the nuances of fibre splicing costs, as well as the guidelines for capitalisation, is essential for businesses aiming to make informed financial decisions.

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How much does it cost to splice fiber?

The cost of splicing fiber optic cables can vary significantly based on several factors, including the type of splice, the equipment used, the location of the job, and the expertise required.

What do you guys charge to fusion splice fiber per strand? In this case ...

The process of fusion splicing requires a fusion splicing machine, our engineers place the ends of two pieces of fibre optic cable in the machine, ensuring they are aligned correctly.

How much should I get paid per splice? : r/FiberOptics

I usually bill T&M, but it works out to about $175-250 for setup/teardown per site and $4-7 per fiber for prep in a new tray in an existing case and splicing depending on if it''s flooded or dry cable.

Fiber Optic Splicing Contractors, Fusion Splicing Services, SpliceList

Connect with certified fiber optic splicing contractors across the United States. Whether you need fusion splicing for a new deployment, OTDR testing, or emergency fiber cut repair — SpliceList has verified

Fiber Optic Repair Cost: Price Guide – One and Done Prep

Main cost drivers include on-site labor, specialized fusion splicing, testing, and any necessary restoration of network performance. This guide provides practical cost ranges in USD with

How Much Does It Cost to Run Fiber Optic Cable per Foot? (2025)

Prices can range from $1 to $50+ per linear foot depending on the method and complexity. The initial cost of installing fiber optic cables can vary depending on the chosen

Best Fusion Splicers of 2026: Top 5 Picks for FTTH, 5G & Telecom ...

Discover the top 5 best fusion splicers of 2026 — from the 6-motor COMWAY C10S V2 for 5G backbone networks to the budget-friendly COMWAY A33 for FTTH field crews. Full specs,

What is a Fiber Optic Pigtail?

Fiber pigtails refer to fiber optic cables that contain a connector at one end to connect devices and bare optical fiber at the other end for cable

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Fiber Optic Cabling Installation In St. Paul And Minneapolis: Costs

Per-drop pricing is another common way contractors quote the same work. Commercial fiber drops generally run $250 to $1,000 each depending on routing complexity, connector type, and

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The FOA Reference For Fiber Optics

Splices are considered permanent joints and are used for joining most outside plant cables. Fusion splicing is most widely used as it provides for the lowest loss and

Fiber Optic Pigtails | Fibertronics, Inc.

We offer fiber optic pigtails at very competitive prices & same day shipping. Standard 9/125um single mode, 62.5/125 multimode and 50um OM3 10Gb.

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