Where is the fiber optic pigtail connected and what is its price



Overview

A fiber optic pigtail is a short fiber cable with a factory-installed connector on one end and a bare fiber end on the other.

Key Takeaways

Fiber optic pigtail prices typically range from $1 to $15 per unit, depending on fiber type, connector, and strand count. Typical Price RangesSingle-mode pigtails (9/125 µm): Usually $2–$10 each, depending on connector type (LC, SC, ST, FC) and length. Multimode pigtails (50/125 µm, OM3/OM4): Typically $1–$8 each, with OM3 and OM4 variants slightly higher due to higher bandwidth performance.

Ribbon or multi-fiber pigtails (4, 6, 12, 24 fibers): Prices increase with fiber count, ranging from $5–$15 per pigtail, often including fan-out kits for easier splicing. Armored pigtails: These are reinforced with stainless steel or protective jackets and cost more, generally $8–$15 per unit.

Factors Affecting Price

Connector Type: LC and SC connectors are common; APC variants are slightly more expensive due to angled polishing. Fiber Type: Single-mode fibers are generally more expensive than multimode fibers. OM4 fibers cost more than OM3 due to higher data rates.



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Length: Standard lengths are 1–2 meters; longer pigtails may increase cost. Customization: Custom colors, strand counts, or pre-terminated assemblies can increase price. Quality and Standards: Factory-tested, Telcordia or IEC-compliant pigtails may be priced higher for guaranteed performance.

Where to Buy

Fiberinthebox: Offers a wide range of single-mode and multimode pigtails, including armored and ribbon types. Fiber4u: Provides SC/LC connectors, single-color or multicolor options, and special project pricing. Amazon: Offers small quantities for DIY or small-scale projects, including fusion splice kits.

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S and EFB-Elektronik: Industrial-grade pigtails with fast delivery and customization options. In summary, fiber optic pigtail prices vary widely based on type, connector, and quantity, with most standard pigtails costing between $1 and $15 each. For bulk orders or specialized projects, contacting suppliers directly can provide custom pricing and discounts.

Article Content

Fiber Optic Pigtail: Types, Splicing Guide, Specs & Price

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