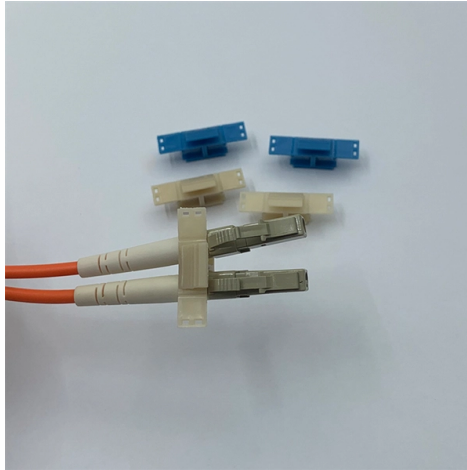


Price of Optical Cable Assembly Connectors



Overview

20pcs SC/APC Fiber Fast Connector for 2x3mm Butterfly Fiber Cable | Quick connectors for 2x3mm butterfly drop cable.

Key Takeaways

Optical cable assembly connectors typically range from \$2 to \$50 per piece, depending on type, fiber mode, and assembly configuration.

The cost of optical cable assembly connectors varies widely based on connector type, fiber type, and whether the assembly is pre-terminated or a kit:

- Standard FC, SC, LC, and ST connectors: Individual connectors or pre-assembled cables generally start around \$2-\$10 for multimode fiber and \$5-\$20 for single-mode fiber, depending on quality and manufacturer (Mouser, DigiKey) .
- Crimp or kit-style connectors: Fiber connector kits, such as FC/PC or FC/APC crimp kits, range from \$10-\$50 per kit, depending on fiber diameter (1.6 mm to 3.0 mm), mode (single or multimode), and whether the kit is multi-piece or pre-assembled (AMS Technologies) .



- High-performance or specialized connectors: Connectors designed for harsh environments, aerospace, or defense applications, including expanded beam (EB) or custom optical assemblies, can cost \$30–\$50 or more per connector (Radiall) .

Factors Affecting Price

- Fiber Type: Single-mode (OS2) connectors are generally more expensive than multimode (OM1–OM4) due to tighter tolerances and lower signal loss requirements .
- Connector Technology: PC (Physical Contact) and APC (Angled Physical Contact) connectors differ in cost, with APC typically higher due to precision polishing.
- Assembly vs Kit: Pre-assembled cable assemblies are more convenient but cost more than individual connector kits that require termination.
- Environmental Rating: Connectors rated for industrial, outdoor, or high-vibration environments may carry a premium.

Where to Buy

- Mouser Electronics: Offers a wide range of fiber optic cable assemblies with pricing and datasheets .
- DigiKey: Provides single-mode and multimode fiber assemblies with real-time pricing and same-day shipping .
- AMS Technologies: Supplies FC/PC and FC/APC connector kits for various fiber diameters and modes .
- Radiall: Specializes in high-performance optical connectors for telecom, industrial, and aerospace applications . When budgeting, consider whether you need pre-terminated assemblies for immediate use or kits for custom termination, as this significantly affects the overall cost.

Article Content

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20pcs SC/APC Fiber Fast Connector for 2x3mm Butterfly Fiber Cable | Quick connectors for 2x3mm butterfly drop cable. Singlemode

Fiber Optic Connectors

M8 x 1 M8 Stainless Steel Conflans Flange Assembly | Vacuum Compatible Fiber Optic Cable In Stock 120 ready to ship now 1:

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Precision-engineered QPL and commercial fiber optic contacts, or termini (M29504/04, M29504/05, M29504/14, M29504/15,

Fiber Optic Cable Assemblies

Number of Connectors Application Connector Angle Cable end 1 Connector Angle Cable end 2 In Stock 2 ready to ship now +1:

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Terminate fiber in seconds with our Field Assembly Fiber Optic Connectors. Also known as Fast Connectors or Quick Connectors,

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Cost of Fiber Optic Cable: Pricing Guide (2026)

Discover the cost of fiber optic cable in this pricing guide. Learn material prices, installation factors, and what impacts

Fiber Optic Connectors – Mouser

Fiber Optic Connectors are in stock with same-day shipping at Mouser from industry leading manufacturers. Mouser is an authorized

Fiber Assemblies and Connectors

Fiber Connectors Different connectors are used to integrate optical fibers into a system and create releasable connections. A wide

Pre-Terminated Fiber Optic Cable Assemblies

These assemblies typically include fiber optic cables, connectors, and sometimes additional components like splitters or adapters, all

Fiber Optic Cable Assemblies | Corning

Our pre-terminated assemblies for indoor and outdoor use, available with a broad range of fiber optic connectors and cable types to

100pcs LC MM Fiber Optic Quick Connectors Multimode 50/125um

About this item LC Multimode 50/125um MM Fiber, Ceramic Ferrule Connector, Pre-Polished Insertion Loss $\leq$ 0.30db, Return

Fiber Optic Cables | Cable Assemblies | DigiKey

Fiber Optic Cable Types Fiber optic cable is designed to transmit data using light signals instead of electricity, making it faster, more

Amazon : Fiber Optic Connector

10pcs LC 9/125 Fiber Optic Singlemode Fast Connector | LC OS2 UPC Quick Assembly Connector for 0.9/2.0/3.0/2.0 * 3.0mm

Amazon : Sc Fiber Connector

SC/APC to SC/APC Fiber Optic Internet Cable, Armored Single Mode Patch Cable, Fiber Optic Jumper Optical Patch Cord -

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

