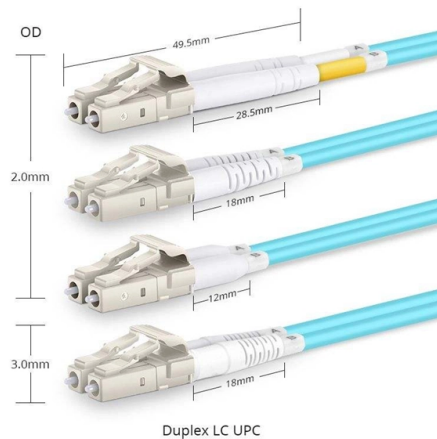


Fiber Optic Cable Connector Assembly Manufacturer



Overview

Fiber Optic Cable Assemblies & Connectors We support most industry standard connector types, including the industry's latest hardened fiber optic connector.

Key Takeaways

Leading manufacturers of fiber optic cable assemblies and connectors include DIAMOND, Clearfield, Corning, Fibertronics, and Molex, offering high-performance, custom, and standard solutions for diverse industries. Key Manufacturers and Their Capabilities



DIAMOND specializes in high-performance fiber and cable assemblies with over 40 years of experience. Their Swiss facility provides in-house manufacturing, including fiber preparation, polishing, connector assembly, and testing. DIAMOND supports single-mode, multimode, polarization-maintaining, and specialty fibers, offering custom lengths, connector types, protective tubing, labeling, and testing protocols. They serve industries such as photonics, medical, industrial, aerospace, and research, ensuring ISO 9001 and ISO 14001 compliance and adherence to REACH and RoHS standards. Clearfield provides FiberDeep® cable assemblies and connectors designed for demanding environments. Their assemblies include single-mode and multimode patch cords, distribution, OSP breakout-style, drop cable, and drop node solutions. Clearfield emphasizes low insertion loss and return loss, automated polishing, and support for standard and hardened fiber optic connectors, including MPO and pushable assemblies for rapid deployment. Corning offers a comprehensive line of factory-terminated cables and connectors, from single-fiber patch cords to high-fiber-count assemblies. Their FastShip/FastConnect program ensures quick delivery of popular patch cords. Corning's manufacturing process guarantees high connector performance, meeting or exceeding industry standards for reflectance and insertion loss. Fibertronics, Inc. is a U.S.-based, SBA-certified woman-owned small business providing custom fiber optic and low-voltage cable assemblies. They focus on USA-manufactured solutions for distribution and specialized applications, offering flexibility for custom designs. Molex supplies a wide range of optical solutions, including connectors, adapters, patch panels, and high-density interconnects. Their offerings include VSFF interconnects, MDC and MPO assemblies, SC, LC, and duplex connectors, and hybrid optical/electrical solutions for data centers, medical, and industrial applications. Molex emphasizes high fiber density, reliable performance, and rapid deployment with factory-terminated and hardened options.

Considerations for Choosing a Manufacturer

- **Application Requirements:** Determine whether you need single-mode, multimode, or specialty fibers, and the type of connectors (LC, SC, MPO, etc.).
- **Customization:** Evaluate if the manufacturer can provide custom lengths, labeling, protective tubing, or hybrid assemblies.
- **Quality Standards:** Look for ISO certifications, compliance with REACH/RoHS, and rigorous testing protocols.
- **Deployment Environment:** Consider indoor/outdoor ratings, bend-insensitive fibers, and ruggedized assemblies for harsh conditions.
- **Lead Time and Support:** Check for programs like FastShip or technical support for complex network designs. These manufacturers provide a broad spectrum of fiber optic assembly solutions suitable for telecommunications, data centers, industrial automation, medical devices, and aerospace applications, ensuring high performance, reliability, and compliance with industry standards.

Article Content

Fiber Optic Cable Assemblies & Connectors

We support most industry standard connector types, including the industry's latest hardened fiber optic connectors (HFOC).

Custom Cable Assembly Manufacturing | Fibertronics, Inc.

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

Fiber Optic Cable Assemblies & Custom Fiber Solutions | iFiber Optix

iFiber Optix manufactures high-quality fiber optic cable assemblies, custom fiber solutions, and patch cables. BABA & TAA

Fiber Optic Cable Assemblies | Connectors and Factory ...

Corning offers the most complete line of connectors and factory-terminated cables, from single-fiber patch cords to high-fiber-count

Custom Cable Assemblies Manufacturer USA | Cables Unlimited

USA-based manufacturer of custom cable assemblies, fiber optics, wire harnesses & hybrid cables for military, medical, robotics &

Optical Assemblies and Arrays

Phillips Medisize Fiberguide custom fiber optic assemblies provide a diverse range of products and capabilities for a wide array of

Fiber Optic Cables Manufacturers and Suppliers in the USA

A list of the top fiber optic cable suppliers and manufacturers in the USA and Canada, including the top fiber optic cable

Fiber and Cable Assemblies | High-Precision Optical Solutions

At DIAMOND, we leverage decades of expertise in fiber optic technology to deliver high-performance fiber and cable assembly

American Cable Assemblies

American Cable Assemblies, is a privately-owned, US-based manufacturer of both standard and custom, high-quality fiber optic

QPC Fiber Optic, LLC

We specialize in designing and manufacturing fiber optic connectors, fiber optic cable assemblies, and custom fiber optic products for

Custom Fiber Optic & Copper Network Solutions | Litra Manufacturing

Certified, woman-owned, Litra MFG builds fiber optic, coaxial and twisted pair assemblies suitable for high speed data, voice, LAN,

Fiber Optic Cable Assemblies

Discover reliable and high-performance fiber optic cable assemblies for seamless data transmission and network connectivity. Our

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