

Manufacturer of special materials for fiber optic coils



Article Overview

Leading manufacturers of specialty optical fibers for fiber optic coils include Coherent, Coractive, Thorlabs, Innofiber, and YOEC.

Key Manufacturers

Coherent offers a broad range of specialty optical fibers, including high-birefringence fibers for fiber optic gyroscopes, distributed sensing fibers, and low-loss multi-mode fibers. They provide custom fabrication with specific core, cladding, dopant, and coating options suitable for harsh environments and high-performance applications . Coractive specializes in innovative optical fibers and fiber lasers, providing rare-earth doped and undoped fibers. They offer integrated solutions from glass preform design to fiber drawing and testing, catering to OEMs seeking high-performance fibers for custom applications . Thorlabs operates ITAR-qualified fiber facilities with multiple fiber draw towers and in-house R&D. They support custom and OEM projects, offering flexible production schedules and modifications of catalog products for academic, industrial, and government applications . Innofiber focuses on custom fiber optic solutions and subassemblies for mission-critical applications. They provide engineered photonic solutions, including optic light guides and cables, for medical, aerospace, semiconductor, and industrial OEMs, emphasizing material science and optical engineering expertise . YOEC manufactures special optical fibers and cables, high polymer materials, and optoelectronic systems. They provide R&D, manufacturing, and customized services for fiber optic coils and related components

Article Content

Oct 13, 2025

Fibercore | First In Specialty Fiber Design & Manufacture

Fibercore has over 30 years experience of the Specialty Optical Fiber industry. We're the world leader in the design, manufacture

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Optical Communications Products

Browse our optical communication connectivity products designed to help you enable your communication networks. Easily create a

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Industrial Fiber Optics

Industrial Fiber Optics is a world leader in manufacturing polymer and large-core silica optical fiber cable assemblies. We specialize

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Specialty Fiber | OEM Optical Communication Solutions

Specialty optical fibers are ideal for sensor applications, offering immunity to EMI, wide temperature

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Precision Quadrupole Wound Fiber Gyro Coils ASML002-ASML

Otherwise, a wide range of optical fibers types (single-mode, multi-mode, PM, from UV to IR) and dimensions are available, as well as

Mar 25, 2026

Covestro Coatings for Fiber Optics

Digitalization needs are evolving rapidly, and fiber performance is key to the reliability and durability of current and next generation

Aug 17, 2025

Fiber optic cable materials and production equipment | Roblon

Synergies between cable materials and machinery Roblon's long-term experience and knowledge of cable fibers and cable

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Top 21 Fiber Optics Manufacturing Companies

Top 21 Fiber Optics Manufacturing Companies 1. Afl Website: aflglobal Ownership type: Corporate Headquarters: Duncan,

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Singlemode special optical fibers | WEINERT Industries

WEINERT provides a wide range of Select-Cut-Off fibers and polarization-maintaining singlemode special

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Fiber Coils | Suppliers | Photonics Buyers' Guide | Photonics

Explore 6 top manufacturers and suppliers of Fiber Coils in our comprehensive photonics buyers' guide.

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Specialty Optical Fibers | Coherent

Coherent offers a complete range of specialty optical fibers, with a broad selection of standard products, and the expertise and

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109 Fiber Optic Cable Manufacturers in 2026

This section provides an overview for fiber optic cables as well as their applications and principles. Also, please take a look at the list

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Polymer Solutions for the Fiber Optic Industry | Zeus

Zeus manufactures polymer reinforced optical fiber and high-temperature sheathing products to support the latest fiber optic

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Optical fibers and cables // WEINERT Industries AG

Optical fibers & cables, highest manufacturing quality, tailored to your requirements, special and individual

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PM, Polarizing & Spun fibers | Exail

Exail, a recognized manufacturer, produces high-end specialty fibers and components in controlled environments and production

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China Specialty Optical Fibers, Optical Fiber Coil,

Yangtze Optical Electronic Co., Ltd: YOEC is the leading supplier and manufacturer for optical fibers, fiber

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2024 Top 12 US Fiber Optic Cable Manufacturers

The United States is home to some of the most prominent and innovative fiber optic cable manufacturers in the world.

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XSOF | Custom and Specialty Fiber Optic Manufacturers

We're specialists in custom fiber optics. XSOF delivers expert ISO- and ITAR-certified fiber optic solutions for any application, backed

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Fiber Optic Products Supplier & Manufacturer

As the leading fiber optic products supplier with more than 10 years of experience, Bonelinks is specializing in designing,

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Fiber Optic Materials | Suppliers

Explore 14 top manufacturers and suppliers of Fiber Optic Materials in our comprehensive photonics buyers' guide.

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10 Best Fiber Optic Manufacturers for 2026

Discover the best fiber optic manufacturers globally, offering cutting-edge multimode and single mode fiber solutions.

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Specialty Photonics and Custom Fiber Optic Solutions

OFS specialty optical fibers can be customized to meet your desired specifications with state-of-the-art coatings, buffers, and cabling

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Fiber Coils for Precision Light Transport — FindLight

Browse Fiber Coils for stable light transport in sensing, delay lines, and interferometry. Compare specs and contact suppliers directly

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How optical fiber is made

Because the purity and chemical composition of the glass used in optical fibers determine the most important characteristic of a

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PM, Polarizing & Spun fibers | Exail

PM Gyro fibers exemplify high consistency, accuracy, and are qualified by leading navigation system

Dec 29, 2025

About OCC

We started as pioneers in fiber optic communication by innovating the most reliable, high-performance fiber optic cable in the world.

Jul 15, 2026

Fiber Optic Systems Inc. (FSI) | Fiber Optic Solutions Since 1982

Discover cutting-edge fiber optic solutions from FSI. We offer custom and standard products

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Coractive | Specialty Optical Fibers

Coractive is a leading manufacturer of innovative optical fibers and fiber lasers since 1998. Discover our complete and integrated

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Global Leader in Materials, Networking, and Lasers

Learn how Coherent empowers innovations and breakthrough technologies for the industrial,

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Top 24 Fiber Optic Cable Manufacturing Companies

Want to Find More Fiber Optic Cable Manufacturing Companies? If you want to find more companies that provide optical cables and

Nov 27, 2025

Fiber Coils – Buyer's Guide & Supplier List | RP Photonics

This buyer's guide for fiber coils provides technical background, comparison of major types, selection criteria, and an overview of

Nov 20, 2025

10 Best Fiber Optic Manufacturers & Suppliers for 2026

The top 10 suppliers and manufacturers of optical cables in 2026. offering high-speed

Sep 12, 2025

Custom Specialty Optical Fibers and Components

M2 Optics offers a large portfolio of specialty optical fibers and components for high-speed aerospace,

Apr 05, 2026

Top 10 Fiber Optic Cable Suppliers & Manufacturers

Fiber optic cables have revolutionized the way data is transmitted, providing high-speed and reliable connectivity

Contact Us

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