

A leading domestic manufacturer of hollow-core optical fiber



Summary of Content

Key U.S. manufacturers of hollow-core optical fiber include Corning Inc., AFL, OFS Optics, Lumenisity, and IRflex Corporation.

Overview of Domestic Producers

Corning Inc. is a global leader in fiber-optic technology and produces optical fibers, including low-loss and specialty fibers, at its U.S.-based facilities. The company meets domestic supply requirements under the Build America, Buy America Act, making it a primary source for government and enterprise projects (Web result). AFL (Advanced Fiber Logistics) manufactures optical fibers and cables in the U.S., including high-performance fibers for telecommunications and data centers. AFL combines domestic production with global support, ensuring compliance with local supply chain needs (Web result). OFS Optics, a subsidiary of Furukawa Electric, operates U.S.-based manufacturing facilities and specializes in advanced fiber-optic technologies, including fibers for telecom, defense, and medical applications. OFS supports domestic projects and provides fibers suitable for high-speed, low-latency networks (Web result). Lumenisity focuses on advanced hollow-core fiber solutions designed to enhance communication networks. While headquartered in the U.K., Lumenisity has partnerships and distribution channels in the U.S., supplying hollow-core fibers for latency-sensitive applications (Web result). IRflex Corporation is a U.S.-based company dedicated to mid-infrared and specialty fibers, including hollow-core designs. IRflex holds patents on chalcogenide optical fibers and provides fibers for research, defense, and industrial applications (Web result).

Applications and Market Context

Article Content

Hollow-Core Anti-Resonant Fiber

Manufacturing of hollow core fibers is done under stringent process control standards, ensuring reproducible fiber structure and

Relativity Networks strikes hollow core fiber production partnership ...

Relativity Networks will provide connectors and hardware that ensure compatibility with existing fiber-optic interfaces.

MWC 2026: China's Leading Optical Communication Companies

Hengtong has taken the lead in China to achieve the commercial deployment of the first hollow-core fiber financial

Top hollow-core fiber companies | VentureRadar

Top companies for hollow-core fiber at VentureRadar with Innovation Scores, Core Health Signals and more. Including Relativity

Hollow-core breakthrough

A hollow-core optical fibre which surpasses silica fibre's long-standing limits and provides an attenuation below 0.1

Linfiber Technology (Nantong) Co., Ltd.,Hollow Core Fibre,Fibre Optic ...

Linfiber Technology (Nantong) Co., Ltd. is committed to the research, development, production, sales, and industrial application of

Top 10 Companies in the Hollow Core Anti Resonant Fiber Industry

In this blog, we profile the Top 10 Companies in the Hollow Core Anti Resonant Fiber Industry —a mix of established

Top 10 Companies in the Hollow-core Fibers Market (2025): Market ...

In this blog, we profile the Top 10 Companies in the Hollow-core Fibers Market —a blend of established optics giants,

Recent Progress in Development of Hollow-Core Fibers for ...

1. Introduction This study presents a follow-on review of the progress made in the development of hollow-core optical

Coractive | Specialty Optical Fibers

We are a leading manufacturer of innovative optical fibers for OEMs looking for maximum performance levels without breaking the

Top 15 Fiber Optic Manufacturers (2026 Global Ranking)

An authoritative 2026 guide to the top 15 fiber optic manufacturers — from Corning and Prysmian to Fujikura and LS Cable — with

Linfiber Technology (Nantong) Co., Ltd.,Hollow Core Fibre,Fibre Optic ...

It has mastered key processes and core technologies for the production and preparation of hollow-core optical fibers and cables, with

Top hollow-core fiber companies | VentureRadar

Thorlabs, a vertically integrated photonics products manufacturer, was founded in 1989 to serve the laser and electro-optics research

RELATIVITY NETWORKS AND PRYSMIAN PARTNER FOR HIGH

Prysmian has entered into a trailblazing long-term partnership agreement with Relativity Networks, the leading at

Top 15 Biggest Fiber Optic Cable Manufacturers In The

In today's rapidly advancing digital age, fiber optic cables are the backbone of global

Hollow-core fiber: The next leap forward for global network ...

Hollow-core fiber: The next leap forward for global network infrastructure Hollow-core fiber offers tantalizing improvements in speed,

10 Best Fiber Optic Manufacturers for 2026

This comprehensive guide examines the top fiber optic cable manufacturers delivering high-performance fiber optic

Hollow Core Fibers | Guiding Photonics

Guiding Photonics specializes in hollow fiber optics. We offer beam delivery solutions for mid-infrared, high-power, and UV sources,

Hollow-Core Optical Fibers: Recent Advances and Applications

This Special Issue aims to provide a comprehensive overview of the state-of-the-art developments, understanding, and diverse

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