

What manufacturer makes FSO optical cables



Summary of Content

FSO refers to Free Space Optics, a wireless optical communication technology, while companies like Lightera (formerly OFS) are leading optical cable manufacturers.

Free Space Optics (FSO) Technology

FSO is a line-of-sight wireless communication technology that transmits data, video, or voice using laser beams through the air rather than through physical cables . It operates over distances from 100 meters to several kilometers, supporting high data rates up to 1.5 Gbps, and uses wavelengths typically between 785 nm and 1550 nm . FSO systems are often deployed where laying fiber optic cables is impractical or costly, providing a fiber-like bandwidth without the need for physical infrastructure . Companies like CableFree specialize in FSO equipment, offering carrier-class solutions for telecom, enterprise, and campus networks .

Optical Cable Manufacturers

While FSO is a technology, FSO as a manufacturer is often confused with companies producing optical fiber and connectivity solutions. Lightera, formerly known as OFS, is a major optical cable manufacturer providing fiber optic systems, connectivity solutions, and infrastructure for high-density networks, data centers, and industrial applications . Lightera's portfolio includes rugged, durable fiber optic cables and components designed for telecommunication, enterprise, and industrial networks, enabling high-speed, reliable data transmission . They focus on efficiency, sustainability, and scalable network solutions, making them a key player in the optical cable market.

Article Content

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

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

Free Space optics (FSO) with capacity up to 30 Gigabits

Free Space optics (FSO) equipment (FSO) EL-1G with net throughput 1 Gigabit Full Duplex enables optical

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

About OCC

We manufacture and design top-tier fiber optic and copper cabling and connectivity products to support a

10 Best Fiber Optic Manufacturers & Suppliers for 2026

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

fSONA: Technology

Many manufacturers offer case studies, demo sites or reference customers that can be contacted. Some Free Space Optics (FSO)

The World's Top 20 Fiber Optic Cable Manufacturers

Notes: Headquartered in South Korea, Taihan Cable & Solution is a major player in fiber

FSO: Technology Comparisons

Wide application compatibility Despite being easy to deploy, FSO transceivers are complex, requiring careful system engineering to

FSO Guide

FSO (Free Space Optics, Laser, Optical Wireless) Guide Free Space Optics (FSO) communications, also called Optical Wireless

Free Space Optics vs. Fiber Optics

Free-space optical technology (FSO) uses light, propagating in free space to transmit data between two points. This is useful where

Free-Space Optical Communication (FSO)

Conclusion Free-Space Optical Communication represents a fascinating frontier in the world of

Best 10 Fiber Optic Cable Manufacturers

Find reliable fiber optic cable manufacturers for your project. Compare 10 top-rated global suppliers including Corning,

FSO vs. Fiber Optic: Key Differences Explained

Unlike FSO, fiber optic communication utilizes optical fiber cables. The system includes a coder, a light source transmitter, the cable

Single & Multi-Mode Optical Fiber Solutions | Prysmian

Channell Fiber Optic Solutions Prysmian | Channell are expert partners in network architecture, design,

Revolutionizing Free-Space Optics: A Survey of Enabling ...

As the demand for high-speed, low-latency communication continues to grow, free-space optical (FSO)

Fiber Optic Manufacturers Checklist | PHILISUN

Use this checklist to compare fiber optic cable manufacturers for quality control, custom

10 Best Fiber Optic Manufacturers for 2026

OFS Optics, a Furukawa Electric subsidiary founded in 2001, operates as a premier manufacturer of fiber-optic cables

Top 20 Fiber Optic Cable Manufacturers in the World

An American manufacturer, Superior Essex focuses on energy-efficient cables with low

Top Fiber Optic Cable Manufacturing Companies

OFS is a prominent designer and manufacturer of optical fiber and fiber optic cable solutions, addressing the growing demand for

Free-Space Optical Communication for Future Broadband Access

Free-space optical (FSO) communication has emerged as a transformative technology with immense potential for

2025 Top 10 Best Fiber Optic Cable Manufacturers In The World

This ranking of the top 10 fiber optic cable manufacturers in 2025 is based on factors like market share, technological

Free-space optical communication

Free-space optical communication (FSO) is an optical communication technology that uses light propagating in free space to

OFC vs FSO: Key Differences in Optical Communication Technologies

Explore the distinctions between Optical Fiber Cable (OFC) and Free Space Optics (FSO) in terms of transmission medium, security,

10 Best Fiber Optic Cable Manufacturers for 2026 — Specs, Uses

Top 10 fiber optic cable manufacturers for 2026 — in-depth profiles of Prysmian, Corning, CommScope, Furukawa,

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://madibabayelectrical.co.za>

Email: sales@madibabayelectrical.co.za

Phone: +27 63 947 2185

Address: 15 Fredman Drive, Sandton, Johannesburg, 2196, South Africa

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