

What are some manufacturers of special optical cables



Overview

Specialty Fiber Optic Cable | Suppliers | Photonics Buyers' Guide. Explore 30 top manufacturers and suppliers of Specialty Fiber Optic Cable in our compr.

Key Takeaways

Leading specialized optical cable manufacturers include Corning, OFS Optics, Reme Wire & Cable, WEINERT Industries, and YOEC, offering custom and high-performance fiber solutions for diverse applications. Global Leaders

- Corning Inc.: A pioneer in low-loss optical fiber technology, Corning holds a 10.4% global market share and develops high-performance fiber for telecommunications, data centers, and enterprise networks, including next-generation 800G Ethernet solutions .
- OFS Optics: A subsidiary of Furukawa Electric, OFS specializes in cutting-edge fiber-optic technologies for telecommunications, medical imaging, and defense applications, with USA-based manufacturing supporting domestic supply chain requirements .



- Remee Wire & Cable: Known for customized connectivity solutions, Remee provides specialized fiber optic cables alongside coaxial and copper solutions, ideal for businesses requiring agile, project-specific designs .

European Manufacturers

- WEINERT Industries AG (Germany): Offers singlemode, multimode, radiation-hard fibers, polymer optical fibers (POF), hybrid cables, and custom fiber bundles. The company emphasizes full vertical integration and photonics innovation for healthcare, data communications, and industrial applications .

- Incab Europe: Specializes in aerial and outdoor fiber optic cables, fiber monitoring, and proactive troubleshooting solutions, providing flexible, project-oriented manufacturing .

- GP-Fiber Optics GmbH: Produces fiber optic cables and lighting technology, offering custom applications and professional cabling for data centers .

Specialty Fiber Manufacturers

- YOEC: Focuses on special optical fibers, high-power fiber patch cables, fiber bundles, spectroscopy fiber probes, and hybrid photonic solutions. Their products cover a broad spectrum from 300 nm to 17 microns, serving research, industrial, medical, and defense sectors .

- Nextrom: Provides specialty preforms and optical fiber fabrication for demanding applications, including vacuum feedthroughs, tapers, capillary tubing, and optical collimators .

Key Considerations

When selecting a specialized optical cable manufacturer, consider:

- Application requirements: High-power laser delivery, spectroscopy, remote sensing, or data center connectivity.
- Customization capabilities: Ability to produce hybrid cables, fiber bundles, or radiation-resistant fibers.
- Compliance and sourcing: Domestic manufacturing for government projects or BEAD compliance.
- Innovation and R&D: Companies investing in next-generation fiber technologies for emerging network standards. These manufacturers provide a wide range of customized, high-performance optical fiber solutions suitable for telecommunications, industrial, medical, and defense applications, ensuring reliable and future-ready connectivity.

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Specialty Optical Fiber Manufacturers and Suppliers | GlobalSpec

OFS is a world-leading designer, manufacturer and provider of optical fiber, fiber optic cable, connectivity, fiber-to-the-subscriber

Shenzhen ZhaoXian Special Optical Cable Technology Co., Ltd.

Founded in 2015, Shenzhen ZhaoXian Special Optical Cable Technology Co., Ltd. specializes in R&D and manufacturing of ADSS

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Silicon Valley-based Opticlarity is one of the few actual production companies located in the USA focusing on passive custom optical

20 Active Optical Cable Manufacturers in 2026

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

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