

Article Overview

Leading manufacturers of plug-in plastic optical cables include FiberFin, OPTOKON, OFS, Fujikura Europe, Anskom Telcom, and OCC, offering POF cables, terminated assemblies, and connectors for industrial, automotive, and data applications.

Key Manufacturers and Suppliers

FiberFin - A U.S.-based leader in polymer optical fiber, FiberFin provides a complete line of industrial-grade POF products, including plug-in cable assemblies, connectors, and accessories. They offer bulk pricing, short lead times (2-3 weeks), and educational resources for POF applications, making them suitable for both prototyping and large-scale deployment (FiberFin) . **OPTOKON** - A global provider of fiber optic connectivity and networking solutions, OPTOKON manufactures ruggedized plug-in optical cables, patchcords, and assemblies. Their products are certified for demanding environments, including defense and critical infrastructure, and they offer ISO and NATO-accredited testing and calibration services (OPTOKON) . **OFS** - OFS designs and manufactures optical fibers and cables, including plastic optical fibers for short-distance applications. Their POF solutions are used in automotive, medical, and data communication systems, offering flexibility, simplified connectorization, and RoHS2/REACH compliance (OFS) . **Fujikura Europe Ltd** - Offers a range of POF products, including high numerical aperture fibers and multi-core illumination fibers. Their manufacturing facilities are ISO13485 certified, ensuring high-quality plug-in optical cables suitable for industrial and medical applications (Fujikura Europe) . **Anskom Telcom** - Specializes in POF products with plastic cores and cladding, providing cost-effective and flexible solutions for short-distance connections, typically under 80 meters. Their products are widely used in automotive and medical industries (Anskom Telcom) . **OCC (Optical Cable Corporation)** - Offers a broad portfolio of fiber optic cables, including plug-in POF assemblies. OCC emphasizes high-performance connectivity, durability, and ease of installation, with applications spanning broadcast, enterprise, industrial, and data center environments (OCC) .

Applications and Advantages

- o **Short-distance connectivity:** POF is ideal for connections under 80 meters, commonly in automotive, medical, and industrial systems.
- o **Flexibility and durability:** Plastic cores allow tighter bend radii and easier installation in confined spaces.
- o **Cost-effectiveness:** Lower material and installation costs compared to glass optical fiber.
- o **EMI/RFI immunity:** Ensures reliable data transmission in electrically noisy environments.
- o **Ease of termination:** Simplified connectorization reduces installation time and cost. These manufacturers provide plug-in POF solutions suitable for voice, video, and data transmission, with options for terminated assemblies, connectors, and custom configurations to meet specific project requirements.



Plug-in Plastic Optical Cable Manufacturer

Fiberfin is a leader in the plastic optical fiber (POF) industry in the United States and has helped shape the

PMMA Fiber Optic Cable PMMA fiber optic cable, also known as Plastic Optical Fiber (POF), is an optical fiber that is made out of a

Jiangsu TX Plastic Optic Fibers Co., Ltd: TXPOF is a specialized manufacturer of high quality plastic optic fiber cable, PMMA fiber,

Plastic Optical Fiber (POF) Fiber Optic Cable Assemblies are available at Mouser Electronics. Mouser offers inventory, pricing, &

Optical Cable Corporation Networks that Mean Business High-performance networks are essential to business, including

Product PortfolioOur range of cost-effective plastic optical fibers (POF) is entirely made of polymer materials. These multi mode, step

Preassembled polymer optical fibers with different cable diameters and materials. We manufacture fiber

Plastic Fiber Optic Connectors are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Plastic Fiber

Phillips Medisize Specialty Optical Fiber helps to address unique customer needs with an industry-leading selection of over 500

As a leading supplier of advanced fiber optic components, Molex has an extensive product offering that

Identify and compare relevant B2B manufacturers, suppliers and retailers. Max. OFS is a leading provider

step by step: helping YOU make the best cable assemblies in the world The Fiber Optic Center (FOC) Technical Team is available

Each component undergoes rigorous factory testing to guarantee optical integrity, durability, and ease of

The leader in the plastic optical fiber (POF) industry in the United States, helping shape the design of POF cable assemblies and

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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