

Plastic Core Optical Cable Manufacturer



AI Overview

Plastic core optical cables, or plastic optical fibers (POF), are produced by several specialized manufacturers worldwide, including OFS, Fujikura, Anfibom Telcom, and FS.COM. Leading Manufacturers and Suppliers:

- OFS: A global provider of optical fiber and cable solutions, offering POF for telecommunications, data communications, and specialty photonics applications.
- Fujikura Europe Ltd: Supplies a range of plastic optical fibers, including high numerical aperture (NA) and multi-core illumination fibers, certified under RoHS2 and REACH standards.
- Anfibom Telcom: Specializes in POF products with plastic cores and cladding, suitable for short-distance connections in automotive and medical applications.
- FS.COM Inc.: Offers plastic optical fibers and related connectivity solutions, supporting industrial and commercial applications.
- FOS Inon Optics GmbH: German-based manufacturer providing POF for voice, video, and data transmission.
- GP Fiber Optics GmbH: Supplies plastic fiber optic cables for industrial and laboratory use.
- Industrial Fiber Optics Inc.: U.S. manufacturer of POF for instrumentation and automation applications.
- Luxium Solutions, Nanoptics Inc., Optocomponents GmbH, OPTOKON a.s., Ratioplast Optoelectronics GmbH, Tri-Tronics Co. Inc.: Additional suppliers offering plastic optical fibers for specialized applications.

Applications and Considerations

Plastic optical fibers are typically made from PMMA (polymethylmethacrylate) or polycarbonate, featuring a large core diameter (around 1 mm) and high numerical aperture (~ 0.5), which allows easy light coupling from LEDs. They are ideal for short-distance connections (up to 80–100 meters), commonly used in automotive networks, industrial automation, and medical devices due to their flexibility, low cost, and resistance to bending. Advanced graded-index POF (GI-POF) offers higher bandwidth and lower attenuation for more demanding applications. These manufacturers provide a range of POF solutions suitable for voice, video, and data transmission, with simplified connectorization and testing options,...

Article Content

Fiber Optic Cables | Corning

With 2 billion kilometers of fiber optic cables installed around the globe, Corning continues to lead the industry in product quality and innovation.

Fiber Optic Cable Supplier, Distributor

Stocking distributor of fiber optic installation tools, bulk fiber cables, fiber patch cables, test equipment, cable management, fiber optic training and more.

Specialty Optical Fiber

In addition to building with our own Phillips Medisize Polymicro fused silica optical fibers, we source various kinds of plastic, borosilicate, and silica optical fibers and cables from industry-leading partners.

High-Performance Optical Fiber Cables for Next-Gen | STL

Since 1995, STL has been connecting the world with the best optical fiber cable solutions. From the first optical fiber plant in India, STL has state-of-the-art

Fibre Optic Cable manufacturer| Optical Fiber Cable| OFC Cable

Fibre Optic Cable Manufacturers in India, Optical Fiber Cable Manufacturers OFC Cable suppliers, exporter of 4 core Armored Fiber Optic Cable, 16awg fire resistance cable 16 sqmm fiber optic cable

Plastic Optical Fiber Manufacturers | Verified Global Supplier List

Need reliable plastic optical fiber manufacturers? Discover certified suppliers offering custom POF solutions for lighting and telecom. Compare quotes and request samples today!

Plastic Fibers

The polymethyl methacrylate (PMMA) that makes up the core portion of the RAYTELA fiber uses a clean polymer made with integrated manufacturing from monomer through to fiber production. A special

PMMA Fiber Optic Cable – Direct from China

Zdea Cable Co., Ltd. focus on developing and manufacturing PMMA fiber products, specially for PMMA fiber optic cables, plastic fiber lighting power supplies and

Top 100 Plastic Optical Fiber Suppliers in 2026 | ensun

Fujikura Europe Ltd offers a range of Plastic Optical Fibers, including regular and high NA bare fibers and hollow multi-core illumination fibers, all of which are

Optical Fiber Cable Manufacturers & Suppliers | Usha Martin

UM Cables is a dedicated manufacturer and exporter of high-quality optical fiber cable, telecommunication cable, Fiber Reinforced Plastic Rod (FRP) and Impregnated Glass Fiber Roving.

Optical fibers and cables // WEINERT Industries AG

Optical fibers & cables, highest manufacturing quality, tailored to your requirements, special and individual productions up to high volume series.

Plastic Optical Fiber Cable | High-Quality Performance

Unisol provides these plastic optical fiber cable assemblies in both simplex and duplex configurations, each equipped with precision-engineered connectors featuring latching or non-latching mechanisms.

Fiber Optic Cable

Fiber Cable Belden's extensive line of indoor and outdoor cable products is offered in tight buffer and loose tube designs. Armored, burial, and ruggedized designs are suited to a host of industrial

Premium Plastic Optical Fiber Cables

Research focuses on improving POF core materials (like PF-GI-POF) to enhance bandwidth and reduce attenuation, developing more robust and flexible jacketing materials for

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 of 109 fiber optic cable manufacturers and their company rankings.

Plastic optical fiber

Plastic optical fiber (POF) or polymer optical fiber is an optical fiber that is made out of polymer. Similar to glass optical fiber, POF transmits light (for illumination or data) through the core of the fiber.

Plastic Optical Fiber Optic Cable

Find a huge range of Plastic Optical Fiber Optic Cable at Newark Electronics. We stock a wide range of Fiber Optic Cable, such as Multimode, Singlemode, Plastic Optical & OS2 Singlemode Fiber Optic

How optical fiber is made

Design In a fiber optic cable, many individual optical fibers are bound together around a central steel cable or high-strength plastic carrier for support. This core is then covered with protective layers of

Fiber Optic Cable

Find here Fiber Optic Cable, OFC manufacturers, suppliers & exporters in India. Get contact details & address of companies manufacturing

PMMA Fiber Optic Cable Manufacturer from China Professional Factory

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 polymer called Polymethyl Methacrylate (PMMA). It functions

HDMI Cable, Home Theater Accessories, HDMI Products, Cables,

Monoprice, Inc. (DBA. MonoPrice) specializes in the wholesale distribution of world class cable assemblies for home theater, PC, and high technology industries. MonoPrice offers a wide

Plastic Optical Fibers | Multi-mode Optical Fibers

Support: (877)835-9620 Mon.-Fri. 5am - 5pm PST Contact Us Investors Return Policy Careers Check Order Status Visa/MasterCard Accepted

Aksh OptiFibre Ltd. :: Home Page

Aksh Optifibre Limited is an Indian company established in 1986, specializing in the manufacturing of optical fibre, fibre-reinforced plastic (FRP) rods, Aramid reinforcement plastic (ARP) rods, optical fibre

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