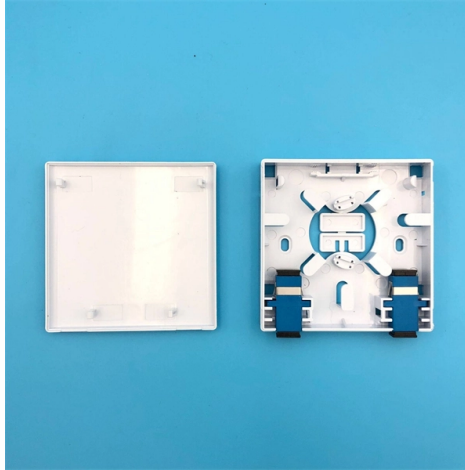


Plastic Fiber Optic Patch Cord Brands



Overview

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Key Takeaways

Leading brands for plastic fiber optic (POF) patch cords include Unisol Communications and HOLIGHT, offering durable, flexible, and short-distance optical connectivity solutions.

- **Unisol Communications:** Offers high-quality plastic optical fiber patch cords with a PMMA core and fluorinated polymer cladding, designed for short-distance, high-speed data transmission. Their POF cables feature a large core diameter, simplified alignment, and robust polyethylene jackets, making them ideal for plug-and-play setups in industrial, office, or residential networks .
- **HOLIGHT:** Provides HFBR-4503/4513 POF patch cords tailored for industrial control and automation systems. These cords use 1.0 mm PMMA fiber with a polyethylene jacket, offering low insertion loss (≤ 0.5 dB), high bandwidth over short distances (up to 50 meters), and strong resistance to vibration, bending, and electromagnetic interference. HOLIGHT supports customization of length, connector type, and jacket color, ensuring compatibility with HFBR transceivers .

- Other notable industrial suppliers: While not exclusively POF, platforms like DirectIndustry list multiple fiber optic patch cord brands such as HUBER+SUHNER, METZ CONNECT, and IC AUTOMATION, which may offer plastic fiber options for specialized applications .

Advantages of Plastic Optical Fiber Patch Cords

- Flexibility and durability: POF cables tolerate bending, vibration, and harsh environments better than glass fiber.
- Ease of installation: Large core diameters simplify alignment and reduce the need for precision connectors.
- Short-distance performance: Ideal for industrial automation, local office networks, and residential multimedia systems.
- Electromagnetic immunity: Suitable for factory floors, PLC networks, and robotics where electrical noise is present .

Connector Types and Customization

- Common connectors for POF patch cords include HFBR-compatible simplex or duplex connectors.
- Many brands allow custom lengths, jacket materials, and labeling, enabling tailored solutions for specific industrial or commercial setups .

Applications

- Industrial control systems: Factory automation, robotics, and PLC networks.
- Short-range networking: Office LANs, residential multimedia, and local data transfer.
- Environments requiring robustness: Locations with frequent relocations, vibration, or exposure to moisture and abrasion. In summary, Unisol Communications and HOLIGHT are leading brands for plastic fiber optic patch cords, offering reliable, flexible, and customizable solutions for short-distance optical connectivity, particularly in industrial and plug-and-play environments .

Article Content

8 Leading America Fiber Optic Patch Cord Manufacturers & Suppliers

150m 4 Core Industrial TPU LC To LC Outdoor Armored Fiber Cable Single Mode | 4 Strands OS2 Singlemode Fiber Optic Patch Cord, 9/125Um, OD-5Mm, Direct\$299.99

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