

Fiber Optic Patch Cord HFBR



Article Overview

HFBR fiber optic patch cords, such as the HFBR-4503/4513, are plastic optical fiber (POF) cables designed for reliable short-distance industrial communication with high flexibility and EMI resistance.

Key Features

HFBR patch cords use 1.0 mm PMMA plastic optical fiber with a polyethylene (PE) jacket, providing robust mechanical strength, flexibility, and resistance to vibration and bending in harsh industrial environments (HOLIGHT) . They are optimized for short-range links (typically ≤ 50 –100 meters) and are compatible with HFBR-4503/4513 transceivers, ensuring direct connector and source compatibility . These cords are suitable for visible red LED sources (650 nm) rather than laser-based optics .

Advantages of Plastic Optical Fiber (POF)

- Flexibility and bend tolerance, making installation easier in tight spaces
- Vibration and shock resistance, ideal for factory automation and robotics
- Electromagnetic interference (EMI) immunity, ensuring stable signal transmission in electrically noisy environments
- Ease of termination and maintenance, compared to glass fiber

Connector Types

HFBR patch cords typically use V-Pin connectors, including:...

Article Content

AVAGO HFBR 4501 HFBR 4511 Industrial Control POF

AVAGO HFBR 4501 HFBR 4511 Industrial Control POF Patch Cord optic fiber sensor cable Non-latching

Broadcom HFBR-4503/4513 Plastic Optical Fiber Cable

The HFBR-4501Z/4511Z connectors, part of Broadcom's Versatile Link series, are low-cost yet robust

HFBR Cable Assemblies HFBR Simplex Latching Plastic Fiber Optic

HFBR connectors provide excellent retention force combined with easy snap-in action. Plastic fiber cable delivers high bandwidth

HFBR Industrial Fiber Optic Patchcords Avago Patch Cord

Main Features Item□ HFBR Industrial Fiber Optic Patchcords Details□ Avago's simplex and duplex

HFBR-4506 Datasheet

Fiberoptics Technology, Inc. Fiber Optic POF Plastic Patch Cord HFBR-4506 Description

Simplex HFBR-HFBR MM 2.0mm black POF

Ideal for higher temperature applications, this indoor optical fiber cable assembly is reliable, non-conductive, and non-hygroscopic,

Versatile Link (V-pin) Industrial POF Fiber Patch Cords

Compatible with Avago Versatile Link(V-pin) family of connectors and fiber optic components. Direct

HFBR Plastic Fiber Optic Cables

The HFBR plastic fiber cable assemblies are typically used in industrial control, medical, and gaming equipment. Some of the key

AVAGO HFBR-4532Z 4532 plastic optical fiber patch

HFBR-4532Z-4532Z plastic optical fiber patch cord cable: The plastic fiber optic communication system

Plastic Optical Fiber Cable AVAGO HFBR-4516z HFBR

Plastic Optical Fiber Cable HFBR-4516z HFBR-4503Z 4513z HFBR Patch Cord for solar power wind

HFBR-4503Z / HFBR-4513Z/HFBR-4506Z / HFBR-4516Z Fiber Optic

High-performance plastic optical fiber (POF) patch cord designed for industrial automation, compatible with Avago/Broadcom

POF Patchcord-HFBR-4506-Shenzhen Hiphotonics Optical

Applications: - Industrial data links for factory automation and plant control - Intra-system links, Board-to-board, Rack-to-rack -

Avago Fiber Optic Cable Archives

ST -HFBBR 4513z fiber optic patch cord The main applications of industrial optical fiber in wind power generation systems include

HFBR-4531Z HFBR-4533Z Industrial POF Patch Cord

Designed for industrial environments, it provides stable and reliable data transfer even under harsh conditions. This patch cord is

Broadcom HFBR-4503/4513 Plastic Optical Fiber Cable

Broadcom HFBR 4503/4513 Plastic Optical Fiber Cable Patch Cord Basic properties
Fiber Core Material:

Fiber Optic Cable Assemblies | Fiber Patch Cords and Fiber Jumpers ...

Fiber Optic Cable Assemblies Corning offers the most complete line of connectors and factory-terminated cables, from single-fiber

Avago-Avago plastic optic fiber patch cord hfbr-4503z hfbr-4513z hfbr ...

Secure personal details: We protect your privacy and keep your personal details safe and secure.

HFBR Plastic Fiber Optic Cables

These POF HFBR cables are available in a variety of lengths and connectors. The HFBR plastic fiber cable assemblies are typically

POF Plastic Optical Fiber HFBR-4503Z 4513Z Connector Jumper 7m

Description & Details POF Plastic Optical Fiber HFBR-4503Z 4513Z Connector Jumper 7m Simplex Compatible with AVAGO Optical

HFBR to HFBR Simplex Latching Plastic Optical Fiber POF Patch Cord

POF Patch Cord-3m HFBR to HFBR Simplex Latching Plastic Optical Fiber,buy POF Patch Cord from main fiber optic cabling

POF Patch Cord HFBR-Shenzhen Hiphotonics Optical

POF Patchcord-FC Learn More POF Patchcord-SC Learn More POF Patchcord-ST Learn More POF Patchcord-SMA Learn More

Data Sheet

Data Sheet Cable Description The HFBR-R/EXXYYYZ series of plastic fiber optic cables are constructed of a single step-index fiber

Plastic Optic Fiber Patch Cord – Industrial Control

The HFBR-4503/4513 Plastic Fiber Optic (POF) Patch Cord is tailored for industrial control

Broadcom Avago HFBR-4501/4511 Plastic Fiber Optic

The HFBR-4501Z/4511Z connectors, part of Broadcom's Versatile Link series, are low-cost yet robust

Plastic optical fiber cable frequency converter AVAGO Patch Cord HFBR ...

Type Fiber Optic Cable Brand Name AVAGO Place of Origin Guangdong, China Use Industrial Control Warranty Time 2 Network

Avago-Avago Plastic Optic Fiber Patch Cord HFBR-4501Z HFBR-4511Z Hfbr ...

Avago plastic optic fiber patch cord HFBR-4501Z offers reliable performance with a 1m length, -55~+85C temperature range, and

Contact Us

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

Website: <https://www.thebucketlistbook.co.za>

Email: sales@thebucketlistbook.co.za

Phone: +33 1 42 78 39 16

Address: 10 Rue de la Paix, 75002 Paris, France

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