

# Avago Series POF Patch Cord HFBR4506-4516

---

## Variants

5M 3M

## Details

## Avago Series POF Patch Cord – HFBR4506-4516

The HFBR4506-4516 Plastic Optical Fiber (POF) Patch Cord is designed for short-distance, high-reliability data transmission. It is widely used in industrial automation, communication systems, and electrical isolation applications due to its low attenuation, flexibility, and immunity to electromagnetic interference.

## Technical Specifications

Category	Specification
Product Type	Plastic Optical Fiber (POF) Patch Cord
Connector Type	HFBR-4506 (Duplex Non-Latching) / HFBR-4516 (Duplex Latching)
Fiber Type	Plastic Optical Fiber (PMMA Core)
Fiber Core Diameter	1.0 mm (Typical)
Transmission Wavelength	650 nm (Typical)
Attenuation	180 dB/km
Cable Structure	Duplex Zip Cord
Available Lengths	1m / 2m / 3m / 5m (customizable)

Operating Temperature	-55°C to +85°C
Cable Jacket	PE / Flame-retardant optional

## Key Features

Features
Low attenuation and stable signal transmission
Excellent resistance to electromagnetic interference (EMI)
Easy installation and termination
Flexible and shock-resistant cable design
Durable connectors for industrial environments

## Applications

Use Cases
Industrial automation and control systems
Communication between optical transceivers
Power systems and electrical isolation networks
Robotics and intelligent systems