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

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