# MPO Connector

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MPO Connector

## Variants

12PIN

## Details

# MPO Connector – Product Description

An **MPO Connector** (short for *Multi-Fiber Push On*) is a **multi-fiber optical connector** designed to terminate and connect multiple optical fiber cores in one compact interface. Instead of using many single-fiber connectors (like LC or SC), an MPO packs **multiple fibers (e.g., 8, 12, 24, 32, 48)** into a single connector body, greatly increasing link density in fiber optic systems.

MPO connectors are widely used in **high-density applications** such as:

Data center backbone and cross-connects

High-speed Ethernet (40G, 100G, 400G+)

Enterprise networks

Telecommunications systems

Parallel optics and high-performance computing setups

They consist of a **male** side with guide pins and a **female** side with matching guide holes, ensuring precise alignment of all the fibers when mated.