

# High-Density MPO Fiber Optic Backbone Cable

This high-density MPO fiber optic backbone cable is designed for 10G to 100G data transmission. It features miniaturized, high-precision connector components and high-quality optical fiber ribbon for excellent optical performance.



## Product Overview

### High-Density MPO Backbone Cabling

This high-density MPO (Multi-fiber Push On) backbone optical cable is engineered for demanding data center environments and high-bandwidth communication networks. By housing multiple optical fibers within a single jacket, it provides a scalable and efficient solution for high-speed data transmission. Designed for pre-terminated cabling, this solution ensures reliable performance for critical backbone infrastructure.

## Optical Performance

### Typical Insertion Loss

**0.5 dB**

Single Mode

**0.5 dB**

Multimode

### Maximum Insertion Loss

**0.35 dB**

Single Mode

**0.35 dB**

Multimode

### Typical Back Reflection

Fiber Type	Reflection
Single Mode	>60 dB
Multimode	>20 dB

## Durability

### Repeatability (200 Mating Cycles)

**0.3 dB**

Single Mode

**0.2 dB**

Multimode

## Environmental Conditions

Operating Temperature (PVC)	-20 °C to 60 °C
Operating Temperature (LSZH)	-30 °C to 60 °C
Storage Temperature	-40 °C to 68 °C
Relative Humidity	10% - 90%