

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%