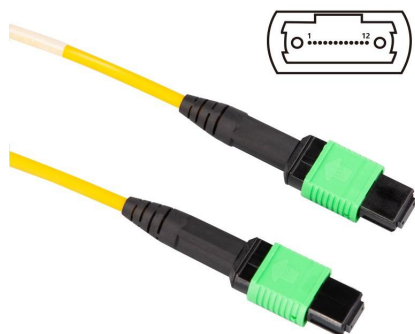


OS2-MPO12-100M Datasheet



SMF

OS2 Singlemode MPO Female to MPO Female Trunk Cable, 12 Fiber, Type B, LSZH, 100m (328ft)

OS2-MPO12-100M

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This MPO trunk cable is a factory pre-terminated 12-fiber single mode MPO patch cord for limited space cabling. It features high-performance MPO-12 female connectors and an optical cable for optimal functionality and reliability. The MPO-12 connector is roughly the same size as an SC connector but can provide up to 12 times the density, providing significant space and cost savings. Additionally, it offers consistent user quality, much faster installation, and simpler cable management.

The single mode MPO trunk cable is suitable for high-density data centers and fiber networks. Due to the MPO-12 also supporting MPO-8 fiber systems. It is also ideal for 8-fiber parallel single mode optical transceivers applications, such as 40G QSFP+ PLR4, 100G QSFP28 PSM4, 400G OSFP DR4/XDR4, and 400G QSFP-DD DR4/XDR4 link.

Features

- Factory-terminated provides consistent quality, high performance, and reduced installation time
- 100% tested for low insertion loss and high return loss
- High-quality MPO connectors guaranteed by the 3D interferometer
- Type B polarity for QSFP+, PSM4, 400G DR4 connection
- Provides 0.7dB Standard & 0.35dB Elite low loss for customers' choose
- Comply with IEC 61754-7, TIA/EIA 604-5, Telcordia GR-1435-CORE, and RoHS

Specifications

- Fiber Mode: OS2 9/125 μ m SM
- Fiber Count: 12-fiber
- Connector Type: MPO Female to MPO Female (Pinless)
- Polish Type: APC to APC
- Polarity: Type B (Crossover)
- Cable Length: 100m
- Cable Diameter: 3.0mm
- Minimum Bend Radius: 10mm
- Insertion Loss: ≤ 0.7 dB (0.45dB Typ.)
- Return Loss: ≥ 60 dB
- Cable Jacket: LSZH
- Tensile Strength: Long term: 80N, Short term: 160N
- Operating Temperature: -10 to 70°C (14 to 158°F)
- Storage Temperature: -40 to 85°C (-40 to 185°F)

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