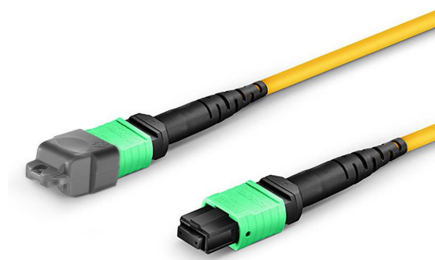


# OS2-MPO16-1M Datasheet



Single Mode MPO-16 Female to MPO-16 Female Trunk Cable, 16 Fiber, 9/125 OS2, Type B, LSZH, 1m (3.3ft)

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This MPO-16 trunk cable is a factory pre-terminated 16-fiber single mode MPO patch cord for limited space cabling in high-speed networks. It features high-performance single mode MPO-16 female connectors and an optical cable for optimal functionality and reliability. The MPO-16 connector is roughly the same size as an SC connector but can provide up to 16 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-16 trunk cable is suitable for 16-fiber parallel single mode optical transceiver connection, such as 800G QSFP-DD/OSFP DR8 and XDR8 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-16 connectors guaranteed by the 3D interferometer
- Type B polarity for 800G QSFP-DD/OSFP DR8 & XDR8 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: 9/125  $\mu$ m Single Mode OS2

- Fiber Count: 16-fiber
- Connector Type: MPO Female to MPO Female (Pinless)
- Polish Type: APC to APC
- Insertion Loss:  $\leq 0.7\text{dB}$  (0.45dB Typ.)
- Return Loss:  $\geq 60\text{dB}$
- Polarity: Type B (Crossover)
- Cable Length: 1m
- Cable Diameter: 3.0mm
- Cable Jacket: LSZH
- Tensile Load: Long term: 80N, Short term: 160N
- Operating Temperature:  $-20^{\circ}\text{C}$  to  $70^{\circ}\text{C}$
- Storage Temperature:  $-40^{\circ}\text{C}$  to  $85^{\circ}\text{C}$

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