

OM5-MPO12-1M Datasheet



Multimode OM5 MPO to MPO Trunk Cable, 12 Fiber, Female to Female, Type B, LSZH, 1m (3.3ft)

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This MPO trunk cable is a factory pre-terminated 12-fiber multimode OM5 MPO patch cord for limited space cabling. It features high-performance MPO-12 female connectors and an OM5 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, thereby providing significant space and cost savings. Additionally, it offers consistent user quality, much faster installation, and simpler cable management.

The OM5 fiber is the first certified WBMMF (Wide Band Multimode Fiber) specifically for high-speed data center applications. It fully complies with all OM3 and OM4 standards but with the additional Differential Mode Delay (DMD) requirement to correct modal and chromatic dispersion.

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 40G/100G PSM4, 400G DR4 connection
- Provides 0.6dB 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: 50/125 μ m Multimode OM5
- Fiber Count: 12-fiber
- Connector Type: MPO Female to MPO Female (Pinless)
- Polish Type: UPC to UPC
- Polarity: Type B (Crossover)
- Cable Length: 1m
- Cable Diameter: 3.0mm
- Insertion Loss: ≤ 0.6 dB (0.4dB Typ.)
- Return Loss: ≥ 20 dB
- Cable Jacket: LSZH
- Tensile Strength: Long term: 80N, Short term: 160N
- Operating Temperature: -20°C to 70°C
- Storage Temperature: -40°C to 85°C

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