

# OM4-LC-LC-D05M Datasheet



0.5m (1.6ft) 40Gb 50/125 OM4 LC to LC UPC Duplex Multimode Fiber Optic Patch Cable

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The 50/125 $\mu$ m OM4 multimode bend insensitive fiber optic cable is less attenuation when bent or twisted compared with traditional optical fiber cables and this will make the installation and maintenance of the fiber optic cables more efficient. It can also save more space for your high density cabling in data centers, enterprise networks, telecom room, server farms, cloud storage networks, and any places fiber patch cables are needed.

This 50/125 OM4 multimode fiber optic cable is ideal for connecting 40G BIDI SR, 10G SR, QSFP+, SFP+ transceivers etc. for 10/40/100G Ethernet connections and is the preferred fiber specification for 40/100G applications. This cable provides backward compatibility with existing 50/125 equipment and the performance headroom required to support LED and VCSEL laser light sources, and 40 or 10 gigabit Ethernet applications in a datacenter or wiring closet.

This OM4 fiber uses laser-optimized transmission to boost performance without sacrificing the advantages of multimode. OM4 cable is continuing to gain more and more of the market when it comes to running data centers and networks. Our full line of OM4 fiber cables will give you the options, safety requirements, and reliability you need for your network and business to run smoothly. Available with many connector options, such as LC-LC, LC-SC and SC-SC combinations, as well as connector and jacket types.

## Specifications

- Fiber Mode: OM4 50/125 $\mu$ m
- Fiber Count: Duplex
- Connector 1: LC Male

- Connector 2: LC Male
- Cable Length: 0.5m (1.6ft)
- Wavelength: 850/1300nm
- 40G Ethernet Distance: 150m at 850nm
- 100G Ethernet Distance: 100m at 850nm
- Insertion Loss:  $\leq 0.3\text{dB}$
- Return Loss:  $\geq 30\text{dB}$
- Cable Diameter: 2.0mm
- Cable Jacket: PVC
- Operating Temperature:  $-20$  to  $70^{\circ}\text{C}$  ( $-4$  to  $158^{\circ}\text{F}$ )
- Storage Temperature:  $-40$  to  $80^{\circ}\text{C}$  ( $-40$  to  $176^{\circ}\text{F}$ )

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