



# Product specification

## LC-LC DUPLEX 50/125 MULTIMODE

### 25-077118/XX



## Description

The OM4 LC–LC duplex multimode fibre optic patch cord is engineered for high-speed data transmission in demanding network environments, using 50/125 µm laser-optimised fibre for operation at 850 nm. Designed to support 10, 40 and 100 Gb/s applications, it delivers extended reach and higher bandwidth compared to OM3 while remaining fully backward compatible. The patch cord features low insertion loss, UPC-polished LC connectors, and an aqua LSZH jacket for improved safety and compliance in data centres. Fully tested and supplied with test results, it provides reliable performance, installation flexibility, and a cost-effective solution for modern enterprise and high-performance networking.

## Specification

Fibre Specification	
Attenuation (db/km)	≤2.4 @ 850nm / ≤ 0.6 @ 1300nm
Overfilled Modal Bandwidth (MHz x km)	≥3500 @ 850nm / ≥ 500 @ 1300nm
Effective Modal Bandwidth (MHz x km)	≥ 4700 @ 850nm
Application Support Distance on:	
40 and 100 Gigabit Ethernet -SR (m)	150 @ 850nm
10 Gbase – SR (m)	550 @ 850nm
1000 Base – SX (m)	1100 @ 850nm
Cable Specification	
Cable Material	LSZH
Strength Member	Aramid
Crush Resistance (N/100mm)	1000
Tensile Strength (N)	120
Operating Temperature (°C)	-20 to 60

*The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informative purposes only and are subject to change*

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