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# LC-LC Multimode Duplex Fibre Patch Cord OM5 50/125um 10m 

Used particularly in 10, 40 and $100 \mathrm{~Gb} / \mathrm{s}$ applications, where the transmission distances and higher bandwidth requirements have dictated a need for a higher performance but cost-effective multimode system.

## Description

Manufactured using 50 $\mu \mathrm{m}$ multimode fibre optimised for the use with 850nm ~ 953nm VCSELS (vertical cavity surface emitting lasers), OM5 multimode patch cords are used particularly in 10, 40 and $100 \mathrm{~Gb} / \mathrm{s}$ applications, where the transmission distances and higher bandwidth requirements have dictated a need for a higher performance but cost-effective multimode system. All assemblies are fully tested prior to delivery and supplied with test results. OM5 multimode patch cords are supplied with an lime green LSZH cable jacket as standard.

## Applications

## Data Centres

Storage area networks
LAN/Enterprise
High Performance computing centres
Central Offices
For use in $40-100 \mathrm{~Gb} / \mathrm{s}$ networks

## Features

850nm~950nm laser optimised
LSZH - Low smoke zero halogen, lime green jacket
$900 \mu \mathrm{~m}$ tight buffer, 3 mm simplex and duplex cable
OM5 fibre conforms to or exceeds all relevant ISO/IEC, TIA/EIA and ITU standards
All patch cords come with a UPC polished connector end face as standard

## Fibre Specification

Attenuation $(\mathrm{db} / \mathrm{km}) \leq 2.4 @ 850 \mathrm{~nm} / 953 n m @ \leq 1.7 / \leq 0.6 @ 1300 n m$
Overfilled Modal Bandwidth $(\mathrm{MHz} x \mathrm{~km}) \geq 3500$ @ 850nm / 953nm @ $\leq 1850 \mathrm{~nm} / \geq 500 @ 1300 \mathrm{~nm}$
Effective Modal Bandwidth $(\mathrm{MHz} \mathrm{x} \mathrm{km}) \geq 4700 @ 850 \mathrm{~nm} / 953 \mathrm{~nm} @ \leq 2470$

Application Support Distance on: 40 and 100 Gigabit Ethernet -SR (m) 200 @ 850nm
10 GBase - SR (m) 600 @ 850nm
1000 Base - SX (m) 1100 @ 850nm

## Cable Specification

Cable Material LSZH

Strength Member Aramid
Crush (N/100mm) 1000
Tensile (N) 120
Operating temperature $\left({ }^{\circ} \mathrm{C}\right)-20$ to 60

## Connector Specification

IL Max/Master (db) $($ Acceptance $) \leq 0.25$
Av./Random (db) $\leq 0.20$
Colour: Lime Green
Length: 10 m

