

# SC-ST Multimode Duplex Fibre Patch Cord OM5 50/125um 1m

**Product Images**

**Product Code: T70-0855**



## Short Description

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

## Description

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Manufactured using 50µm 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 Gb/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 Gb/s networks

### Features

850nm~950nm laser optimised

LSZH - Low smoke zero halogen, lime green jacket

900µm tight buffer, 3mm 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 (db/km)  $\leq 2.4$  @ 850nm / 953nm @  $\leq 1.7$  /  $\leq 0.6$  @ 1300nm

Overfilled Modal Bandwidth (MHz x km)  $\geq 3500$  @ 850nm / 953nm @  $\leq 1850$ nm /  $\geq 500$  @ 1300nm

Effective Modal Bandwidth (MHz x km)  $\geq 4700$  @ 850nm / 953nm @  $\leq 2470$

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 (°C) -20 to 60

### **Connector Specification**

IL Max/Master (db) (Acceptance)  $\leq 0.25$

Av./Random (db)  $\leq 0.20$

Colour: Lime Green

Length: 1m