

OM3 Fibre Patch Cords



OM3 optical fibre systems are the pinnacle of multimode fibre design. To utilise the new 10Gbs Ethernet protocols in an optical fibre system requires either a full blown singlemode solution or OM3 50/125 multimode fibre. The OM3 system allows for new VCSEL based hardware and old legacy LED based hardware to co-exist over your system. For the hard pressed IT manager an OM3 optical fibre solution will give a simple migration path through 1Gbs to 10Gbs and have security knowing the system they are installing today will give many years of solid, secure service to their network.

The FibreFab OM3 patch cord utilises the best cable available along with the market leading Optronics connectors to give a performance many companies dream of achieving. Manufactured in FibreFab's ISO 9001 approved manufacturing facility these cables can be relied upon, even with in the most mission critical systems.

A patch cord can be split into three crucial components, the connector, the cable and the manufacturing process. All of these three areas contribute to the performance of a patch cord, but above all the manufacturing process is the one that defines the performance of the assembly. Whilst the cable and connectors used in FibreFab optical fibre patch cords are the best available, it is our expertise in production that sets our products apart.

FibreFab has 15 years experience in manufacturing fibre optic cable assemblies. If you have a fibre network, no matter what the technology, FibreFab can offer you a solution to your problem. Optical Fibre patch cords are a defining factor in ensuring your network performs to the highest level, with a FibreFab patch cord you can be confident you are using the very best in cable, connectors and manufacturing.

Specifications

Description

The FibreFab optical fibre patch cords are manufactured using the best quality components. The connectors are the market leading Optronics range of connectors, and the cable exceeds all areas of the standards.

The FibreFab range of patch cords has grown through the years, from industry standard 62.5/125 multimode to 9/125 singlemode, FibreFab can supply them all.

Non-standard cables can be made to your own exacting standards in our ISO 9001 UK production facility. This encompasses all of the essential tools to ensure the products not only meet but also exceed the requirements laid down in IEC international standards for fibre optic terminations.

Optical Performance (OM3 50/125 Multimode)

Insertion loss: Max. 0.35 dB Typical 0.3 dB

Optical Performance (MT-RJ)

Insertion loss: Max. 0.7 dB Typical 0.5 dB

Return Loss: UPC better than 50dB

IEC 874-1 method

Connectors

Types: FC, ST, SC, MT-RJ, MU
Ferrule: Zirconia (MT-RJ — Polymer)

Mechanical

Length: 1000mm to 10,000mm ± 10mm
Other lengths available to order

Cable

Split Length (Duplex): 150mm ± 5mm

Sheath colour: Purple

For full information on the Optronics connectors used on the FibreFab patch cords, please contact FibreFab at the address below for a connector data sheet.

Intermateability

Optically and mechanically compatible with all equivalent connectors.
Compliant with IEC 874-14.

Product Packaging

Each patchcord is packaged individually and individually identified for traceability, test certification is supplied for each assembly.

Temperature Cycling

(IEC 874-1 sec. 4.5.22)
-40 to +75°C, 40 cycles
=0.2dB Change

High Temperature:

(IEC 874-1 sec. 4.5.18)
75°C for 96 hours
=0.2dB Change

Damp Heat:

(IEC 874-1 sec. 4.5.19)
60°C at 95% RH, 96 hours
=0.2dB Change

Vibration (Mated Pair):

(IEC 874-1 sec. 4.5.1)
10-55 Hz, 1.5mm P to P
=0.3dB Change

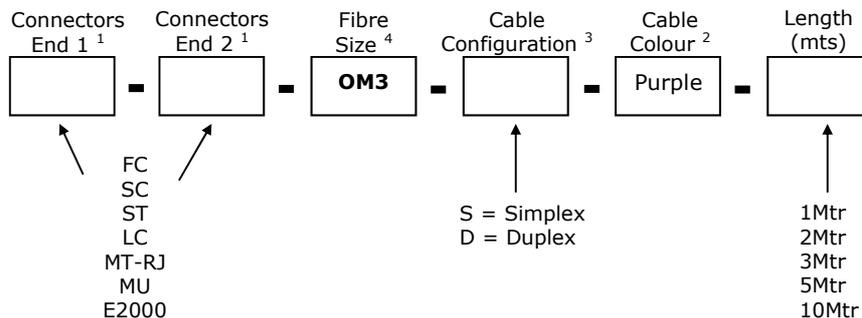
Mating Durability:

(IEC 874-1 sec. 4.5.32)
1000 mating cycles
Clean every 25
< 0.2 dB Change

Operating Temperature

-40°C to +85°C

Ordering Information



¹ Other Connectors Available on Request

² OM3 Cable is only available in Purple

³ MT-RJ is only available in MiniZip

⁴ OM3 is only available with 50/125um Fibre

FibreFab Limited

Witan Court
305 Upper Fourth Street
Central Milton Keynes
MK9 1EH

Tel: +44 (0) 870 127 3330
Fax: +44 (0) 870 127 3331
Email: sales@fibrefab.com
Internet: www.fibrefab.com