

OM3 Fibre Pig-Tail

OM3 optical fibre systems are the pinnacle of multimode fibre design. To utilise the new 10Gbs Ethernet protocols, an optical fibre system requires the use of either a full blown singlemode solution or OM3 50/125 multimode cable. The OM3 system allows for new VCSEL based hardware and old legacy LED's 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 OM3 pigtail utilises the best cable available along with the market leading Optronics connectors to give a performance many companies dream of achieving. Manufactured in Optronics ISO 9001 approved manufacturing facility these cables can be relied upon, even with in the most mission critical systems.

Fibre assemblies 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 Optronics Optical fibre pigtails are the best available, it is our expertise in production that sets our products apart.

Optical fibre pigtails are essential when terminating cables within the splice enclosures. Purchasing pre-polished assemblies takes the risk of poor connector

Features

- **ST/SC/FC/LC Connector types**
- **All terminations are manufactured to exceed performance parameters set by industry standards**
- **Fast turn around of non-standard requirements**
- **Full tracability & test certification supplied with each assembly**
- **900µm tight buffered fibre optic cable**

Specifications

Description

The Optronics optical fibre assemblies 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 Optronics range of assemblies has grown through the years, from industry standard 62.5/125 multimode to 9/125 singlemode, Optronics 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

IEC 874-1 method

Connectors

Types: FC, ST, SC, MU
Ferrule: Zirconia

Mechanical

Length: 500mm ± 10mm
Other lengths available to order

Sheath colour: Orange

For full information on the Optronics connectors used on our patch cords, please contact your distributors for a connector data sheet.

Intermateability

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

Product Packaging

Each pigtail is packaged individually and individually identified for traceability, test certification are supplied with 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

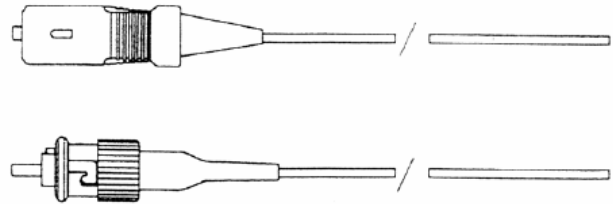
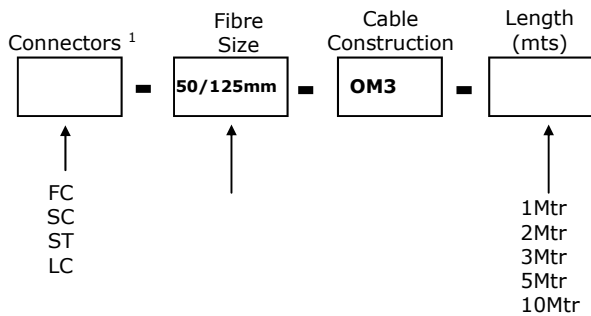
Mating Durability:

(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

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