

Optical Fibre Pig Tails

Optical fibre pig tails are essential when terminating cables within the splice enclosure. Purchasing pre polished assemblies takes the risk of poor connector termination away from the project. Cables terminated within a production facility will give a higher performance than cables terminated on site.

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 using Biconic and SMA through ST, SC to today's Small Form Factor connectors like the LC, MU, MT-RJ or SC-DC. If you have a fibre network, no matter what the technology, FibreFab can offer you a solution to your problem.

The Optronics range of Optical fibre pig tails has grown through the years, from every day standard versions to special products to meet your needs. From industry standard 62.5/125 multimode to 9/125 Singlemode right the way up to state of the art OM3 50/125 cable assemblies, FibreFab can supply them all.

With a FibreFab cable assembly you can be confident you are using the very best in cable, connectors and manufacturing.



Features

- **Multimode & Singlemode applications ST/SC/FC/LC/E2000/MU Connector types**
- **Ultra polish & Angle polish options available all terminations are manufactured to exceed performance parameters set by industry standards**
- **Tyco AMP approved UK manufacturing facility**
- **Fast turn around of non-standard requirements**
- **Full tracability & test certification supplied with each assembly**
- **900µm tight buffered fibre optic cable**

Specifications

Description

The FibreFab optical fibre pigtailed are manufactured using the highest quality components. The connectors are the market leading Optronics range of connectors and the cable exceeds all areas of the standards required for the assembly being produced.

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 (Multimode)

Insertion loss: Max. 0.5 dB Typical 0.35 dB

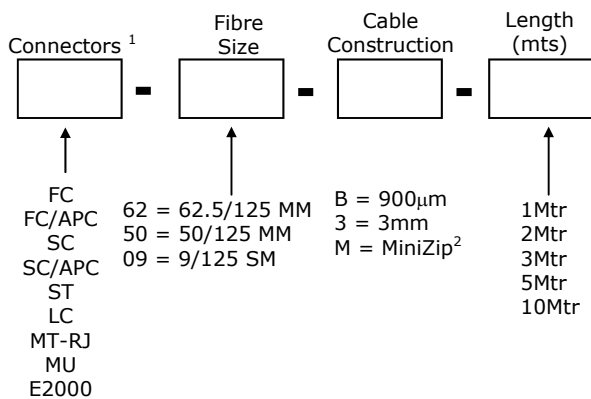
Optical Performance (Singlemode)

Insertion loss: Max. 0.3 dB Typical 0.2 dB

Return Loss: UPC better than 50dB
APC better than 60dB

IEC 874-1 method

Ordering Information



Connectors

Types: FC, FC/APC, ST, SC, SC/APC, MU, E2000, MTRJ

Mechanical

Length:
Multimode: 1000mm ± 10mm

Singlemode: 1500mm ± 10mm
Other lengths available to order

Fibre: 900µm buffered

Fibre Options: 62.5/125
50/125
09/125

For full information on the Optronics connectors used on the FibreFab pig tails, please contact 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 pig tail is individually packed and identified for traceability. Test certification is also supplied

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):

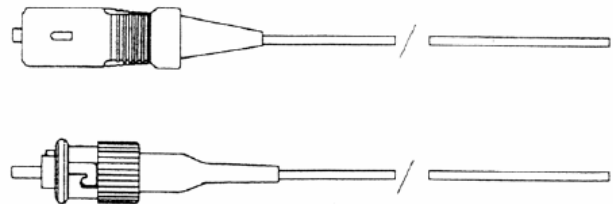
(IEC 874-1 sec. 4.5.1)
10-55 Hz, 1.5mm P to P
=0.3dB Change

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



¹ Other Connectors Available on Request

² MT-RJ is only available in MiniZip

FibreFab Limited

Witan Court	Tel: +44 (0) 870 127 3330
305 Upper Fourth Street	Fax: +44 (0) 870 127 3331
Central Milton Keynes	Email: sales@fibrefab.com
MK9 1EH	Internet: www.fibrefab.com