

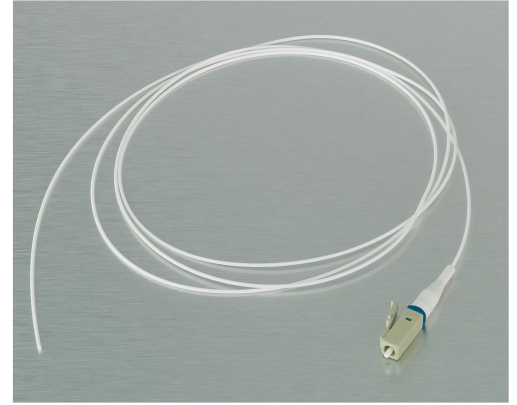
## Optical Fibre Pig Tails

Optical Fibre pig tails are essential when terminating cables within the splice enclosures. Purchasing pre polished assemblies takes the risk of poor connector termination away from the project. Cables terminated within a production facility like FibreFab will give far 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 14 years experience in manufacturing fibre optic cable assemblies using Biconic and SMA through ST, SC and MU to today's Small Form Factor connectors like the LC, 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 Optronic 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 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 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 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

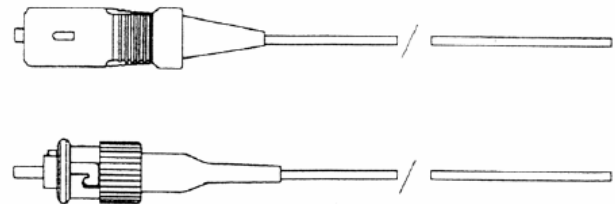
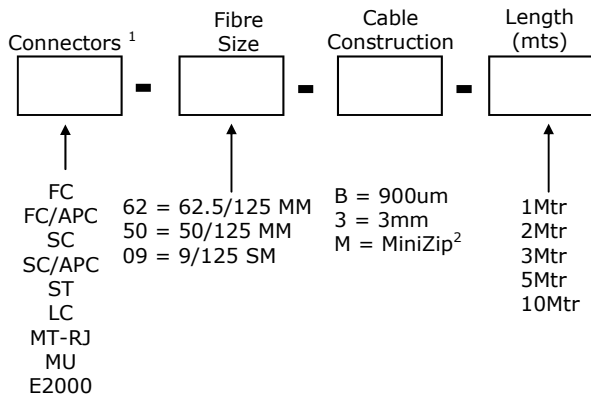
#### Optical Performance (Singlemode)

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



<sup>1</sup> Other Connectors Available on Request  
<sup>2</sup> MT-RJ is only available in MiniZip

#### Connectors

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

#### Mechanical

Length:

Multimode: 1000mm +/- 10mm

Singlemode: 1500mm +/- 10mm

Other lengths available to order

Fibre: 900um buffered

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

For full information on the Optronics connectors used on the FibreFab patch cords, 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 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

### Customer Reply Form

Please copy, complete and fax or mail back to FibreFab

I am interested in the following item(s): Tick as appropriate.

Couplers and Attenuators

Optical Fibre Connectors

Manufacturing Consumables

Manufacturing Equipment

Mode Conditioning Patch cords

Cable Assemblies

Gigabit Switches

Cat5e & Cat6 Cabling

Fibre Distribution Units

Company:

Industry:

Address:

Name:

Position:

Tel:  Fax:

E Mail:

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