SC Field Installable Connectors
Data/Telecom & Fiber Optic Systems

Description
The SC field-installable connectors (FIC) are factory terminated and polished to make fibre terminations fast, easy and reliable. These fibre optic connectors offer terminations in less than 2 minutes without any difficulty and require no epoxy, polishing or crimping. The FIC greatly reduces the installation and set up time. It has a window feature to allow testing with a visual fault locator.

Features/Benefits
► Polished connector incorporating a mechanical splice
► Available in singlemode and multimode (50/125 and 62.5/125)
► Durable, reliable and superior optical performance
► Compatible with standard SC adaptors
► Termination can be repeated 2-3 times
► Packaging comes with a cable/buffer stripping template
► Complies with IEC, EIA/TIA and Telecordia standards
► Fibre preparation kit available

Applications
► Rapid repair of optical networks
► FTTH end user termination
► Hazardous environment termination where fusion splicing is prohibited

Technical Specification

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>PART NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multimode PC 62.5/125 Simplex 900μm</td>
<td>SC62MM9BGFIC</td>
</tr>
<tr>
<td>Multimode PC 62.5/125 Simplex 3mm</td>
<td>SC62MM3BGFIC</td>
</tr>
<tr>
<td>Multimode PC 50/125 Simplex 900μm</td>
<td>SC50MM9BGFIC</td>
</tr>
<tr>
<td>Multimode PC 50/125 Simplex 3mm</td>
<td>SC50MM3BGFIC</td>
</tr>
<tr>
<td>Multimode PC 50/125 OM3 Simplex 900μm</td>
<td>SCOM3MM9BGFIC</td>
</tr>
<tr>
<td>Multimode PC 50/125 OM3 Simplex 3mm</td>
<td>SCOM3MM3BGFIC</td>
</tr>
<tr>
<td>Singlemode PC 9/125 Simplex 900μm</td>
<td>SC09SM9BLFIC</td>
</tr>
<tr>
<td>Singlemode PC 9/125 Simplex 3mm</td>
<td>SC09SM3BLFIC</td>
</tr>
<tr>
<td>Singlemode APC 9/125 Simplex 900μm</td>
<td>SCA09SM9GNFIC</td>
</tr>
<tr>
<td>Singlemode APC 9/125 Simplex 3mm</td>
<td>SCA09SM3GNFIC</td>
</tr>
<tr>
<td>Field Installable Connector Preparation Kit</td>
<td>OPT-IFIC-PREPKIT</td>
</tr>
<tr>
<td>Field Installable Connector Preparation Kit and Inspection Kit</td>
<td>OPT-IFIC-PREPKITPLUS</td>
</tr>
</tbody>
</table>

*Using proper cleave process

Ordering Information

Use with an Optronics Field Installable Preparation and Inspection Kit to make fibre terminations fast, easy and reliable.
1. **Strip fibre**
   Strip and cleave the fibre according to the template provided.

2. **Insert fibre**
   Insert the pre-prepared fibre carefully into the connector body, gently push the fibre towards the body until it stops.

3. **Activate tab**
   Ensure that the fibre has a bend, then, using your index finger, press the button-like activator tab to commence the splice and crimp. Keeping the tab pressed while slowly releasing the bent fibre.

4. **Remove the jig**
   Remove the plastic jig attached to the underside of the connector.

5. **Complete the assembly**
   Tighten the screw-on boot to the terminated assembly. If there is an aramid strength member, trap it in the screw-thread and trim.
Description

These ST field-installable connectors (FIC) are factory terminated and polished to make fibre terminations fast, easy and reliable. These fibre optic connectors offer terminations in less than 2 minutes without any difficulty and require no epoxy, polishing or crimping. The FIC greatly reduces the installation and set up time. It has a window feature to allow testing with a visual fault locator.

Features/Benefits

► Polished connector incorporating a mechanical splice
► Available in singlemode and multimode (50/125 and 62.5/125)
► Durable, reliable and superior optical performance
► Compatible with standard ST adaptors
► Termination can be repeated 2-3 times
► Packaging comes with a buffer stripping template
► Complies with IEC, EIA/TIA and Telecordia standards
► Fibre preparation kit available

Applications

► Rapid repair of optical networks
► FTTH end user termination
► Hazardous environment termination where fusion splicing is prohibited

Technical Specification

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>Singlemode and Multimode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insertion Loss (Max)*</td>
<td>0.5 dB</td>
</tr>
<tr>
<td>Insertion Loss (Typical)*</td>
<td>0.3 dB</td>
</tr>
<tr>
<td>Return Loss (Typical)*</td>
<td>50db/55dB</td>
</tr>
<tr>
<td>Polishing Type</td>
<td>UPC and APC</td>
</tr>
</tbody>
</table>

* Using proper cleave process

Ordering Information

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>PART NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multimode PC 62.5/125 Simplex 900μm</td>
<td>ST62MM9BGFIC</td>
</tr>
<tr>
<td>Multimode PC 50/125 Simplex 900μm</td>
<td>ST50MM9BGFIC</td>
</tr>
<tr>
<td>Multimode PC OM3 50/125 Simplex 50/125 900μm</td>
<td>STOM3SM9BLFIC</td>
</tr>
<tr>
<td>Singlemode PC 9/125 Simplex 900μm</td>
<td>ST09SM9BLFIC</td>
</tr>
<tr>
<td>Singlemode APC 9/125 Simplex 900μm</td>
<td>STA09SM9GNFIC</td>
</tr>
<tr>
<td>Field Installable Connector Preparation Kit</td>
<td>OPT-FIC-PREPKIT</td>
</tr>
<tr>
<td>Field Installable Connector Preparation Kit and Inspection Kit</td>
<td>OPT-FIC-PREPKITPLUS</td>
</tr>
</tbody>
</table>

Use with an Optronics Field Installable Preparation and Inspection Kit to make fibre terminations fast, easy and reliable.
1. **Strip fibre**
   Strip and cleave the fibre according to the template provided.

2. **Insert fibre**
   Insert the pre-prepared fibre carefully into the connector body, gently push the fibre towards the body until it stops.

3. **Activate tab**
   Ensure that the fibre has a bend, then, using your thumb finger, press the button-like activator tab to commence the splice and crimp. Keeping the tab pressed while slowly releasing the bent fibre.

4. **Remove the jig**
   Remove the plastic jig attached to the underside of the connector.

5. **Complete the assembly**
   Tighten the screw-on boot to the terminated assembly. If there is an aramid strength member, trap it in the screw-thread and trim.

1. **Unscrew**
   Unscrew the boot from the terminated assembly.

2. **Fibre**
   Grip the fibre.

3. **Align the jig**
   Align assembly key to the hole in the jig and click into place.

4. **Remove fibre**
   Slowly remove the fibre.

---

**Industrial Automation & Services**
- Data Loggers
- Ethernet I/O and PAC’s
- Industrial PC’s
- I/O for Allen Bradley
- PC based I/O

**Human/Machine Interfaces & Monitors**
- Keyboards & Pointing Devices
- Monitor Mounts
- Monitors
- Operator Terminals

**Data/Telecom & Fiber Optic Systems**
- Cabinets & Server Racks
- Cable Management
- Fiber Optic Products (Fttx)
- Hubs, Switches & KVM Solutions
- Identification, Labelling & Tools
- Structured Cabling Systems

**Power Supplies & Power Management**
- Flexible Power Distribution
- Power Distribution
- Power Supplies

**Components**
- Cable Ties
- Cables, Adaptors & Accessories
- Connectors
- Fans, Boards & Enclosures
- Pillars & Spacers
- Relays, Resistors & Transformers

---

Mulder-Hardenberg, est. 1927, is the answer to professional demands in the domain of electronic related environments. We don’t just sell products. We use our multidiscipline knowledge to provide the best possible solution, designed to your specific interest.

Contact details:
The Netherlands
Mulder-Hardenberg B.V.
Westerhoutpark 1a
2012 JL Haarlem
Tel.: +31 23 531 91 84
info1@m-h.biz

Belgium, France, Luxemburg
Mulder-Hardenberg N.V.
Hoge Weg 129
B-2940 Stabroek
Belgium
Tel.: +32 3 660 13 20
infobe@m-h.biz

Germany
Mulder-Hardenberg GmbH
Nordring 13
D-65719 Hofheim/Ts
Tel.: +49 6192 - 97 91 85
infode@m-h.biz

www.mulder-hardenberg.com
LC Field Installable Connectors

Data/Telecom & Fiber Optic Systems

Description

These LC field-installable connectors (FIC) are factory terminated and polished to make fibre terminations fast, easy and reliable. These fibre optic connectors offer terminations in less than 2 minutes without any difficulty and require no epoxy, polishing or crimping. The FIC greatly reduces the installation and set up time. It has a window feature to allow testing with a visual fault locator.

Features/Benefits

► Polished connector incorporating a mechanical splice
► Available in singlemode and multimode (50/125 and 62.5/125)
► Durable, reliable and superior optical performance
► Compatible with standard LC adaptors
► Termination can be repeated 2-3 times
► Packaging comes with a cable/buffer stripping template
► Complies with IEC, EIA/TIA and Telecordia standards
► Fibre preparation kit available

Applications

► Rapid repair of optical networks
► FTTH end user termination
► Hazardous environment termination where fusion splicing is prohibited

Technical Specification

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>Singlemode and Multimode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fibre Type</td>
<td></td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>≤ 0.4dB (Typical)</td>
</tr>
<tr>
<td>Return Loss (Typical)*</td>
<td>50db/55dB</td>
</tr>
<tr>
<td>Polishing Type</td>
<td>UPC and APC</td>
</tr>
</tbody>
</table>

*Using proper cleave process

Ordering Information

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>PART NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multimode PC 62.5/125 Simplex 900μm</td>
<td>LC62MM9BGFIC</td>
</tr>
<tr>
<td>Multimode PC 62.5/125 Simplex 2mm</td>
<td>LC62MM2BGFIC</td>
</tr>
<tr>
<td>Multimode PC 50/125 Simplex 900μm</td>
<td>LC50MM9BGFIC</td>
</tr>
<tr>
<td>Multimode PC 50/125 Simplex 2mm</td>
<td>LC50MM2BGFIC</td>
</tr>
<tr>
<td>Multimode PC OM3 50/125 Simplex 900μm</td>
<td>LCOM3MM9BGFIC</td>
</tr>
<tr>
<td>Multimode PC OM3 50/125 Simplex 2mm</td>
<td>LCOM3MM2BGFIC</td>
</tr>
<tr>
<td>Singlemode PC 9/125 Simplex 900μm</td>
<td>LC09SM9BLFIC</td>
</tr>
<tr>
<td>Singlemode PC 9/125 Simplex 2mm</td>
<td>LC09SM2BLFIC</td>
</tr>
<tr>
<td>Singlemode APC 9/125 Simplex 900μm</td>
<td>LCA09SM9GNFIC</td>
</tr>
<tr>
<td>Singlemode APC 9/125 Simplex 2mm</td>
<td>LCA09SM2GNFIC</td>
</tr>
<tr>
<td>Field Installable Connector Preparation Kit</td>
<td>OPT-FIC-PREPKIT</td>
</tr>
<tr>
<td>Field Installable Connector Preparation Kit and Inspection Kit</td>
<td>OPT-FIC-PREPKITPLUS</td>
</tr>
</tbody>
</table>

Use with an Optronics Field Installable Preparation and Inspection Kit to make fibre terminations fast, easy and reliable.
1. Strip fibre
   Strip and cleave the fibre according to the template provided.

2. Remove the jig
   Remove the plastic jig attached to the underside of the connector.

3. Insert fibre
   Insert the pre-prepared fibre carefully into the connector body, gently push the fibre towards the body until it stops.

4. Activate tab
   Ensure that the fibre has a bend, then, using your thumb finger, press the button-like activator tab to commence the splice and crimp. Keeping the tab pressed while slowly releasing the bent fibre.

5. Complete the assembly
   Tighten the screw-on boot to the terminated assembly.

- **Industrial Automation & Services**
  - Data Loggers
  - Ethernet I/O and PAC's
  - Industrial PC's
  - I/O for Allen Bradley
  - PC based I/O

- **Human/Machine Interfaces & Monitors**
  - Keyboards & Pointing Devices
  - Monitor Mounts
  - Monitors
  - Operator Terminals

- **Data/Telecom & Fiber Optic Systems**
  - Cabinets & Server Racks
  - Cable Management
  - Fiber Optic Products (PttX)
  - Hubs, Switches & KVM Solutions
  - Identification, Labelling & Tools
  - Structured Cabling Systems

- **Power Supplies & Power Management**
  - Flexible Power Distribution
  - Power Distribution
  - Power Supplies

- **Components**
  - Cable Ties
  - Cables, Adaptors & Accessories
  - Connectors
  - Fans, Boards & Enclosures
  - Pillars & Spacers
  - Relays, Resistors & Transformers

Mulder-Hardenberg, est. 1927, is the answer to professional demands in the domain of electronic related environments. We don’t just sell products. We use our multidiscipline knowledge to provide the best possible solution, designed to your specific interest.

Contact details:

The Netherlands
Mulder-Hardenberg B.V.
Westerhoutpark 1a
2012 JL Haarlem
Tel.: +31 23 531 91 84
info@mh.biz

Belgium, France, Luxemburg
Mulder-Hardenberg N.V.
Hoge Weg 129
B-2940 Stabroek
Belgium
Tel.: +32 3 660 13 20
info@mh.biz

Germany
Mulder-Hardenberg GmbH
Nordring 13
D-65719 Hofheim/Ts
Tel.: +49 6192 - 97 91 85
info@mh.biz

www.mulder-hardenberg.com