# 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*

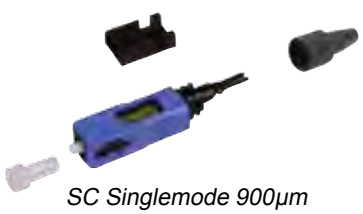
| DESCRIPTION | |
|---|---|
| *Fibre Type* | *Singlemode and Multimode* |
| *Insertion Loss (Max)** | *0.5dB* |
| *Insertion Loss (Typical)** | *0.3dB* |
| *Return Loss** | *≥ 50dB* |
| *Polishing Type* | *UPC and APC* |

**Using proper cleave process*

### *Ordering Information*

| DESCRIPTION | PART NO. |
|---|---|
| Multimode PC 62.5/125 Simplex 900µm | ***SC62MM9BGFIC*** |
| Multimode PC 62.5/125 Simplex 3mm | ***SC62MM3BGFIC*** |
| Multimode PC 50/125 Simplex 900µm | ***SC50MM9BGFIC*** |
| Multimode PC 50/125 Simplex 3mm | ***SC50MM3BGFIC*** |
| Multimode PC 50/125 OM3 Simplex 900µm | ***SCOM3MM9BGFIC*** |
| Multimode PC 50/125 OM3 Simplex 3mm | ***SCOM3MM3BGFIC*** |
| Singlemode PC 9/125 Simplex 900µm | ***SC09SM9BLFIC*** |
| Singlemode PC 9/125 Simplex 3mm | ***SC09SM3BLFIC*** |
| Singlemode APC 9/125 Simplex 900µm | ***SCA09SM9GNFIC*** |
| Singlemode APC 9/125 Simplex 3mm | ***SCA09SM3GNFIC*** |
| Field Installable Connector Preparation Kit | ***OPT-FIC-PREPKIT*** |
| Field Installable Connector Preparation Kit and Inspection Kit | ***OPT-FIC-PREPKITPLUS*** |

*SC Singlemode 3mm*
*Exploded view*



*SC Singlemode 900µm*
*Exploded View*

*SC APC Singlemode 3mm*

*SC APC Singlemode 900µm*

*SC Multimode 3mm*

*SC Multimode 900µm*

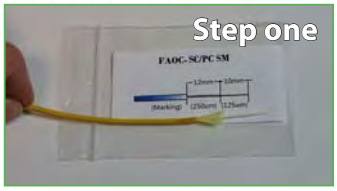
*SC Singlemode 3mm*

*SC Singlemode 900µm*

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 in to 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.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# ST Field Installable Connectors

Data/Telecom & Fiber Optic Systems

## 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*

| DESCRIPTION | |
|---|---|
| *Fibre Type* | *Singlemode and Multimode* |
| *Insertion Loss (Max)** | *0.5 dB* |
| *Insertion Loss (Typical)** | *0.3 dB* |
| *Return Loss (Typical)** | *50db/55dB* |
| *Polishing Type* | *UPC and APC* |

** Using proper cleave process*

### *Ordering Information*

| DESCRIPTION | PART NO. |
|---|---|
| Multimode PC 62.5/125 Simplex 900µm | *ST62MM9BGFIC* |
| Multimode PC 50/125 Simplex 900µm | *ST50MM9BGFIC* |
| Multimode PC OM3 50/125 Simplex 50/125 900µm | *STOM3SM9BLFIC* |
| Singlemode PC 9/125 Simplex 900µm | *ST09SM9BLFIC* |
| Singlemode APC 9/125 Simplex 900µm | *STA09SM9GNFIC* |
| Field Installable Connector Preparation Kit | *OPT-FIC-PREPKIT* |
| Field Installable Connector Preparation Kit and Inspection Kit | *OPT-FIC-PREPKITPLUS* |

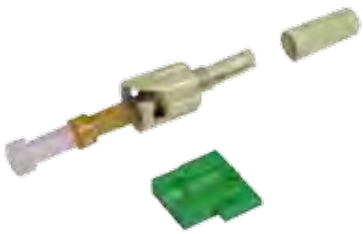
*ST APC Singlemode 900µm*

*ST Multimode 900µm*

*ST Singlemode 900µm*

Use with an Optronics Field Installable Preparation and Inspection Kit to make fibre terminations fast, easy and reliable.


*ST Singlemode Exploded view*

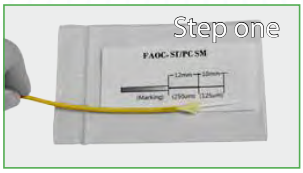


*ST Multimode Exploded View*

*STAPC Singlemode Exploded View*

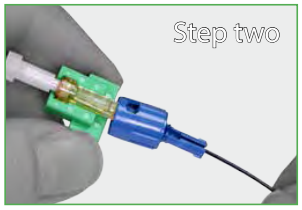
1 **Strip fibre**

Strip and cleave the fibre according to the template provided.




2 **Insert fibre**

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



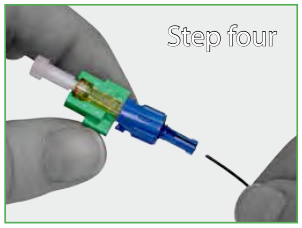

3 **Activate tab**

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.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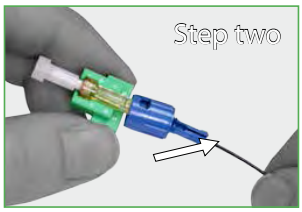
1 **Unscrew**

Unscrew the boot from the terminated assembly.

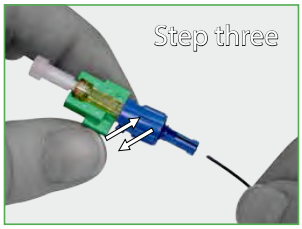

2 **Fibre**

Grip the fibre.



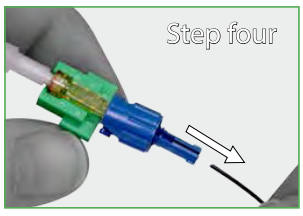

3 **Align the jig**

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




4 **Remove fibre**

Slowly remove the fibre.

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# 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 spicing is prohibited**

### *Technical Specification*

| DESCRIPTION | |
|---|---|
| *Fibre Type* | *Singlemode and Multimode* |
| *Insertion Loss* | *≤ 0.4dB (Typical)* |
| *Return Loss (Typical)** | *50db/55dB* |
| *Polishing Type* | *UPC and APC* |

**Using proper cleave process*

*LC APC Singlemode 2mm / 900µm*

*LC Multimode 2mm / 900µm*

*LC Singlemode 2mm / 900µm*

### *Ordering Information*

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

Use with an Optronics Field Installable Preparation and Inspection Kit to make fibre terminations fast, easy and reliable.


*LC Singlemode Exploded view*

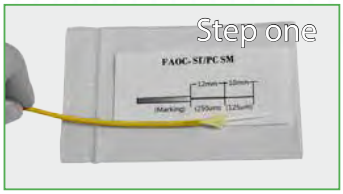
*LC Multimode Exploded View*

*LC APC Singlemode Exploded View*

1

## Strip fibre

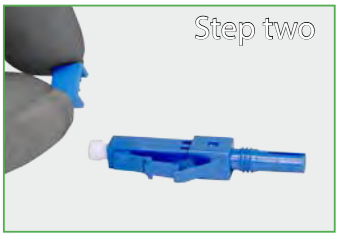
Strip and cleave the fibre according to the template provided.




2

## Remove the jig

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




3

## Insert fibre

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


4

## Activate tab

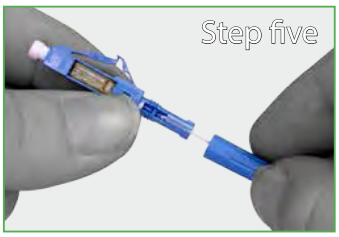
Ensure that the fibre has a bend, then, using your thumb finger, press the button-like activator tab to commence the splice and crimp. Keeping the tab pressed while slowly releasing the bent fibre.




5

## Complete the assembly

Tighten the screw-on boot to the terminated assembly.

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