

SC Field Installable Connectors

V.3.8

Description

FibreFab 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

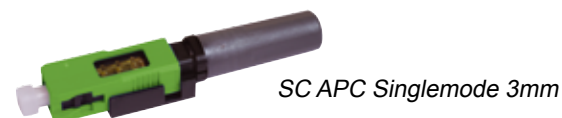
Technical Specification

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

Ordering Information

*Using proper cleave process

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 APC Singlemode 3mm

SC APC Singlemode 900µm

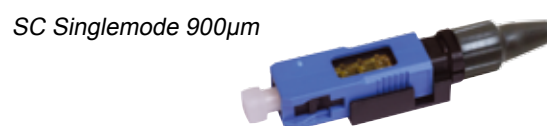


SC Multimode 3mm

SC Multimode 900µm

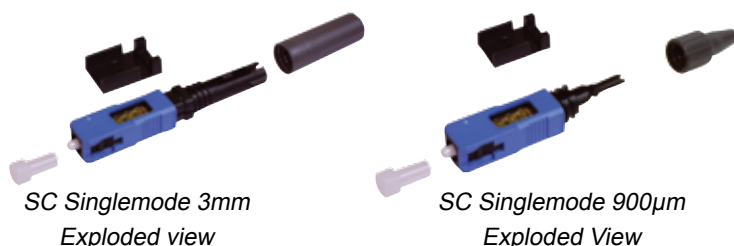


SC Singlemode 3mm



SC Singlemode 900µm

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



SC Singlemode 3mm
Exploded view

SC Singlemode 900µm
Exploded View



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SC Field Installable Connectors - Termination Guide

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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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