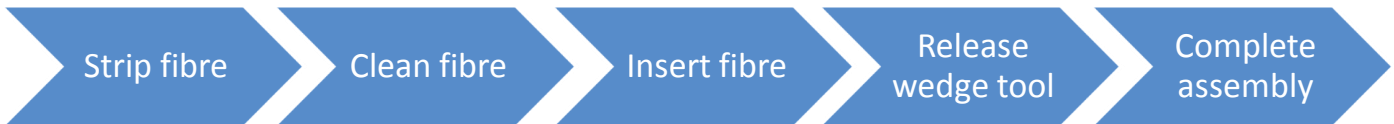


# FAST Series - Field Installable Pre-Polished Connectors

FAST – Field Assembly with Simple Technique

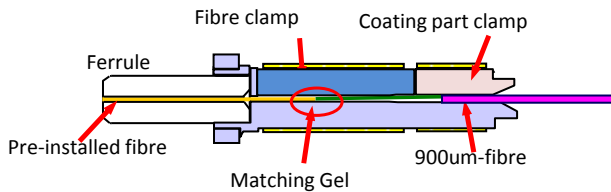


## Assembly in 5 easy steps

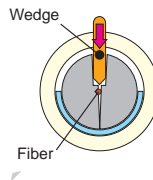
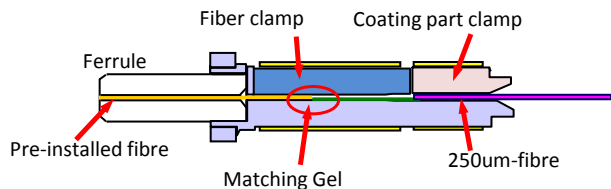


### Clamping mechanism:

900µm Fibre Clamping

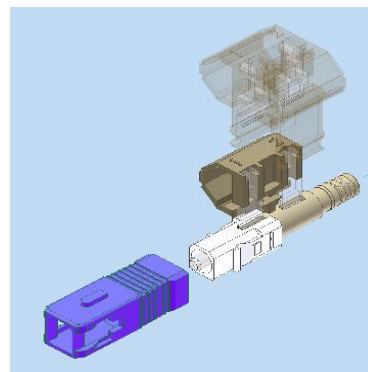


250µm Fibre Clamping



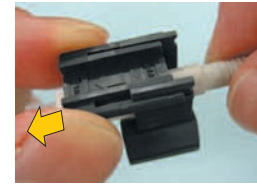
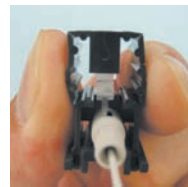
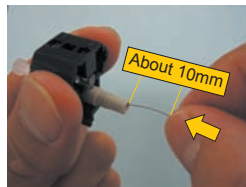
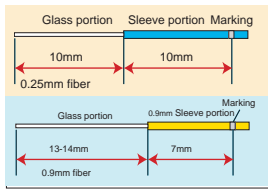
### Key Features & Benefits:

- Connector termination in less than a minute
- No messy epoxy
- Termination to both 0.25mm & 0.9mm Ø fibre
- Variants available for >2.0mm & >3.0mm Ø fibre
- No specialised tooling required
- No specialised training required
- Low Insertion Loss & Back Reflection



Specifications and descriptions are subject to change without prior notice.

## ○ Assembly Procedure and Points to Take Note (FAST-SC for 0.25mm/0.9mm fiber)



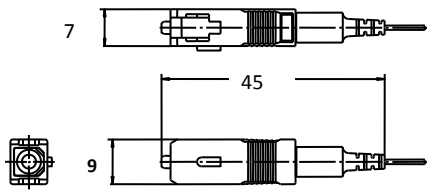
Please strip fiber to the correct length.

Ensure a slight fiber bend is formed to confirm that the fiber is fully inserted. (Photo shows a 0.25mm fiber)

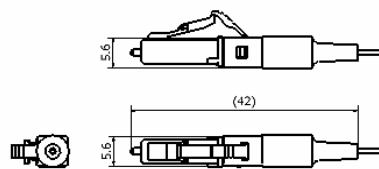
Remove the plastic wedge while maintaining the fiber bend.

Remove  
Insert the housing and boot after removing the wedge unit.

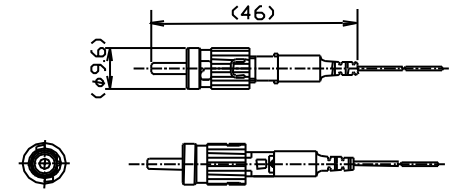
## Connector dimensions:



FAST-SC: L 45 \* W 7.4 \* H 9 (mm)



FAST-LC: L 42 \* W 5.6 \* H 5.6 mm



FAST-ST ; L 46 \* Dia. 9.6 (mm)

## Connector variants:

Connector	Fibre			
	Single-mode	Graded Index 50/125µm	Graded Index 62.5/125µm	OM3 Compliant
SC/PC (0.25/0.9mm)	○	○	○	○
SC/PC (2.0/3.0mm)	○	○	○	○
SC/APC (0.25/0.9mm)	○	-	-	-
SC/APC (2.0/3.0mm)	○	-	-	-
ST/PC (0.25/0.9mm)	○	○	○	○
ST/PC (2.0/3.0mm)	○	○	○	○
LC/PC (0.25/0.9mm)	○	○	○	○
LC/PC (2.0/3.0mm)	○	○	○	○
LC/APC (0.25/0.9mm)	○	-	-	-
LC/APC (2.0/3.0mm)	○	-	-	-

## Optical performance:

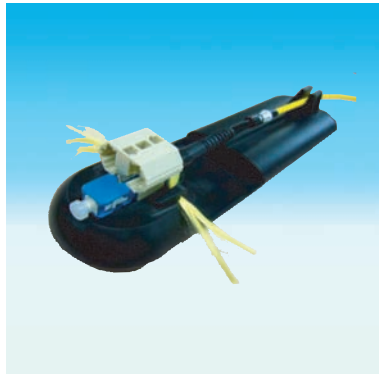
No.	Test	Fibre Type	Wavelength	Mean Loss (dB)	Max. Loss (dB)
1	Insertion Loss	SM	1310nm	0.16	0.37
			1550nm	0.14	0.36
		GI 50/125	1310nm	0.06	0.09
			OM3	1310nm	0.07
		SM (APC)	1310nm	0.18	0.39
			1550nm	0.18	0.39
No.	Test	Fibre Type	Wavelength	Mean Loss (dB)	Min. Loss (dB)
1	Return Loss	SM	1310nm	56.1	43.9
			1550nm	56.4	44.5
		SM (APC)	1310nm	69.2	65
			1550nm	70.5	65.1

Specifications and descriptions are subject to change without prior notice.

## FAST-SC (for 900 um fiber, 2 mm or 3 mm cordage)



FAST-SC-SM-ALL-BL/BK



- Available in SM, GI50 and GI62.5 types
- Compatible with 2mm to 3mm cords
- Simple assembly tool for fiber insertion and positioning of aramid yarn
- Unique aramid yarn fixing technique eliminates the need for crimping tools

**New Release  
FAST Connector  
Cord Assembly Type**



### [Production Specification/Performance]

Item	Performance
Product Code (Single Mode)	SC:FAST-SC-SM-ALL-BL/BK LC:FAST-LC-SM-ALL-BL/BK
Fiber Polishing Method	UPC Polish or APC Polish
Connection Loss (wrt master)	Average ≤ 0.5dB
Return Loss	≥ 40dB (UPC) , ≥ 60dB(APC)

- ※ Compatible wavelength SM fiber: wavelength 1310nm/1550nm.
- ※ Connector for GI fiber also available.
- ※ Special cleaver is needed in assemble of APC type. Please inquire.

### Field-Installable connectors (cable securing type)

## FAST Assembly Tools

- Required tools available as a tool kit set packed in case

No.	Name	Model	Purpose	KIT (A)	KIT (B)	KIT (C)	KIT (D)
1	Optical fiber holder 025	FMSECO-FH05/025	To assemble FAST-SC for 250um fiber	●	●	●	●
2	cable holder	-	To assemble FAST-SC(GT)	●	●	●	●
3	mechanical Stripper 025	FMSECO-MSTR025	To strip 250um fiber	●	●	●	●
4	micro Stripper 09	MS1-08S-40-FS	To strip 900um fiber			●	●
5	alcohol container	FMSEZ-ALC	-	●	●	●	●
6	Cotton Pad	-	-	●	●	●	●
7	High Precision Cleaver	CT-30	Cleaving		●		●
8	Fiber Plates	AD-30A	To adjust bare fiber length				●
9	Spacer	FMSECO-SP-C2	To adjust bare fiber length	●	●	●	●
10	250um fiber insert tool	-	To assemble FAST-SC for 250um fiber	●	●	●	●
11	Carrying case	-	-	●	●	●	●
12	Cordage Assembly tool	FAST-SC-KIT-CO	To assemble cordage			●	●
13	φ2 Cable Clamp	FAST-SC-KIT-CO	To assemble φ2mm cordage			●	●
14	φ3 Cable Clamp	FAST-SC-KIT-CO	To assemble φ3mm cordage			●	●

※ Kit (A) : FAST-SC-KIT025DR-10, Kit (B) : FAST-SC-KIT025DR-11, Kit (C) : FAST-SC-KIT/ALL-10, Kit (D) : FAST-SC-KIT/ALL-11



Specifications and descriptions are subject to change without prior notice.