

# Fox Splice On Connector

Fibrefox splice-on connectors provide a convenient low loss alternative to using pigtails to field terminate fibre cable. The connector is supplied ready terminated with a short length of fibre, which can be directly spliced to installed cable. The splice is then protected within the specially designed connector boot, removing need for additional splice trays or housings.

Used in conjunction with Fibrefox Fusion Splicers, the connectors offer a quick to use, high quality, low insertion loss, low return loss, fully compliant solution.

## Features & Benefits

- Compliant with IEX51754-4, KS C6974(F04), JIS C5973(F04)
- Compliant with Telcordia GR-326-core
- Able to terminate the fibre with a connector in the field
- Jointing point is located inside the connector
- Higher quality, better insertion loss and return loss
- Easy to assemble with one step system

## Recommended Tools



Mini 4S      Mini 50G      Mini-DC12

## Structure



Sleeve      Ferrule Sub Assembly      Housing      Boot & Clamp Cap

## Specifications

Type	Item	SM	MM		
General Connector	Fibre Type	9/125	OM1	OM2	OM3
	Insertion Loss	UPC	$\leq 0.2\text{dB}$		
		APC	$\leq 0.2\text{dB}$		
	Return Loss	UPC	$\leq 50\text{dB}$	-	-
		APC	$\leq 60\text{dB}$	-	-
	Repeating Test	500 Cycles, $\leq 0.2\text{dB}$			
SC	Operation Temp	$-45^{\circ}\text{C} - 85^{\circ}\text{C}$			
	Type of Fibre	0.9mm fibre, 2.0mm, 2.4mm, 3.0mm cable, 3X2 indoor cable			
	Tensile Force	$\geq 30\text{N}(\geq 3.1\text{kgf})$ for 3.0mm code or 0.9mm fibre / $\geq 80\text{N}(\geq 8.0\text{kgf})$ for 3X2 indoor cable			

# Assembly Procedure



1. Pass the cable through the boot and the boot cap.



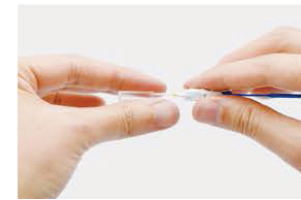
2. Strip the indoor cable with a stripper.



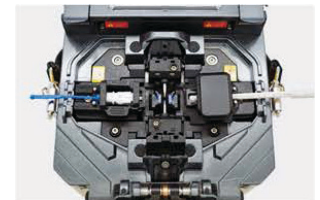
3. Clean the stripped cable with an alcohol soaked tissue.



4. Cleave it with a cleaver.



5. Take the fibre protector off from the ferrule.



6. Put the ferrule and cable on the V-groove.



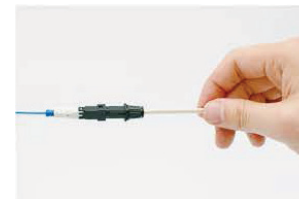
7. Splice.



8. Put the spliced connector in the oven, then it will start heating automatically.



9. Get the heated sleeve cooled.



10. Assemble the boot and the cap.



11. Assemble the housing.



12. Completed.