

For your safety operation

The Lynx-CustomFit® Splice-On Connector is designed and manufactured to assure personal safety. Improper operation can result in bodily injury and serious damage to this product. Please read and observe all warnings instructions given in this operation manual.

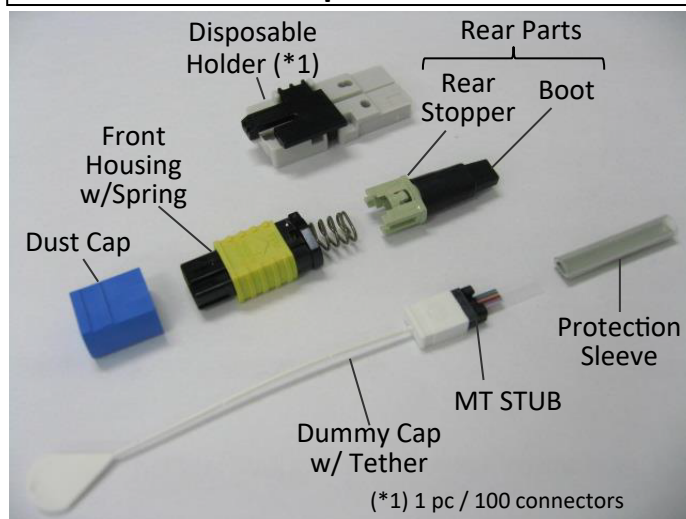
- ⚠ **Wear safety glasses** to protect your eyes when handling optical fiber.
- ⚠ **Never look into** the end of a microscope or optical cable connected to an optical output device that is operating. Laser radiation is invisible, and direct exposure can severely injure the human eye.
- ⚠ **Alcohol is flammable**, causes irritation and is harmful if swallowed or inhaled. Keep alcohol away from heat, sparks, skin, and avoid contact with eyes.

Precautions

- Improper assembly will result in a loss of performance. **Please read instructions** given in this operation manual and the operation manual of the fusion splicer.
- Never touch the fiber of the stub**. It has been inspected in the factory.
- The product is sensitive to dirt or dust. Do not take out any parts from the package **until it is to be used**.
- The characteristic will be influenced by the fiber cleaved surface condition. Please use a cleaver which has a good cleaving characteristic.
- Do not remove the dust cap **until the connector has been completely assembled** in order not to cause an high insertion loss due to them.

MPO Splice-On Connector for Bare Ribbon

Composition



Polish Surface and Housing Color

SM Low Loss	SM Std. Loss	MM5010GOM3
8 degree Polish		Flat Polish
Yellow	Green	Aqua

Assembling Tools

Below equipment and tools are strongly recommended.

Fusion Splicer Type-Q101-M12 (T-71M12)	Fiber Cleaver FC-6RM etc.	Jacket remover JR-6	Fiber Holder FHM-12 (For 12c Fiber)	Fiber Holder FHM-8 (For 8c Fiber)

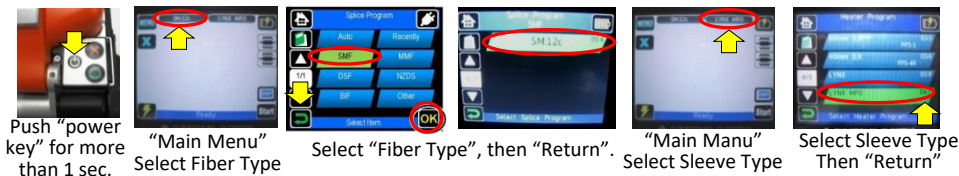
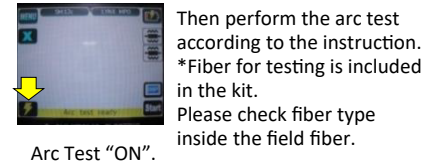
Recommended Program

Splicer	Fiber	Splicing Program	Heater Program
Type-Q101-M12 (T-71M12)	SMF 12c	SM12c	Lynx MPO
	SMF 8c	SM8c	
	MMF 12c	MM12c	
	MMF 8c	MM8c	

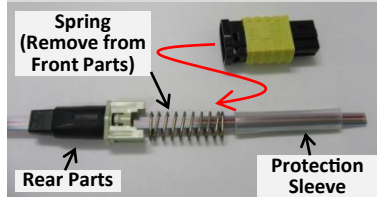
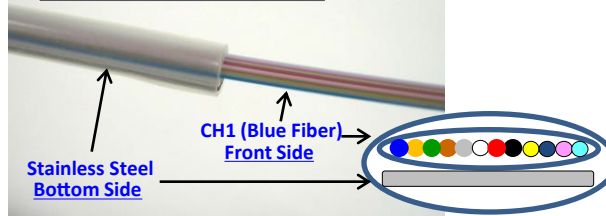
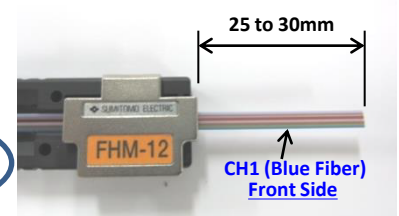
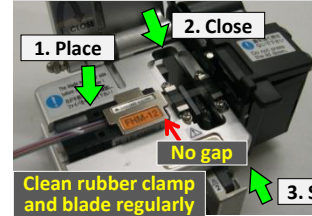
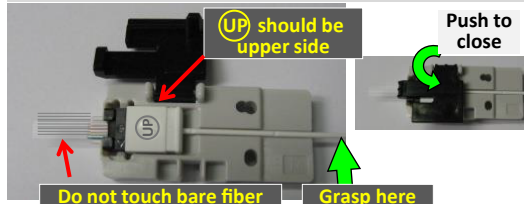
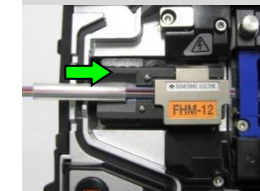
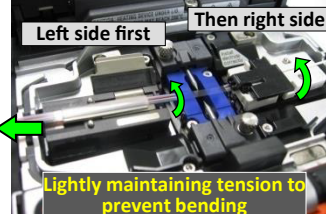
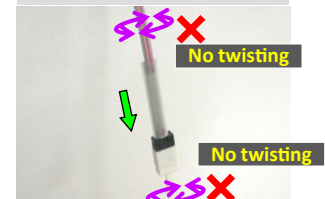
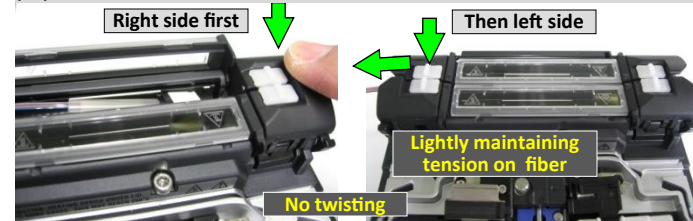
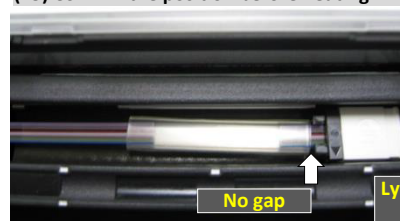
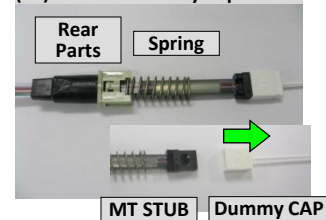
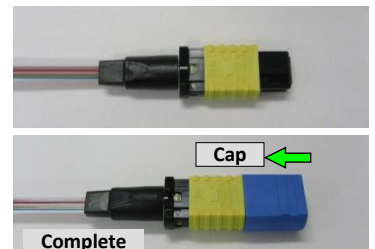
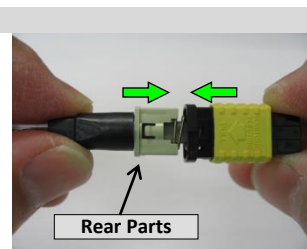
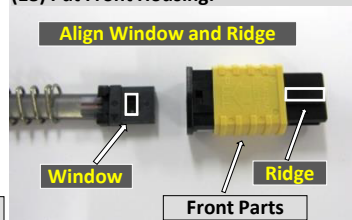
SMF : G.652, G.657

MMF : MM50(OM2), MM50(OM3), MM50(OM4)

- 💡 Please perform Arc test prior to the splicing operation. (See the operation manual of the splicer.)
- *Ribbon fiber for testing is included in the connector kit.
- 💡 Please check fiber type inside the field fiber.

(A) Set Fusion Condition**(B) Perform Arc Test**

See the operation manual for your splice machine




(1) Slide Rear Parts, Spring and Protection Sleeve onto the ribbon fiber.**Make sure of the orientation****(2) Set ribbon fiber on Fiber holder.****(3) Remove Coating (JR-6)****(4) Fiber Cleaning.****(5) Cleave the fiber (FC-6M)****(6) Set fiber holder on the splicer (left side).****(7) Pick up MT STUB and set the stub on the plastic holder.****(8) Set stub holder on the splicer (right side).****(9) Fusion Splice.****(10) Slide the sleeve to the holder.****(11) Open the cover of the holder.****(12) Pick up the spliced fiber.****(13) Slide Protection Sleeve to MT STUB.****(14) Set Sleeve into the heater.****(15) Confirm the position before heating.****(16) Heat Protection Sleeve.****(17) Remove Dummy Cap.****(18) Put Front Housing.**

For Technical Support: www.panduit.com/resources/install_maintain.asp

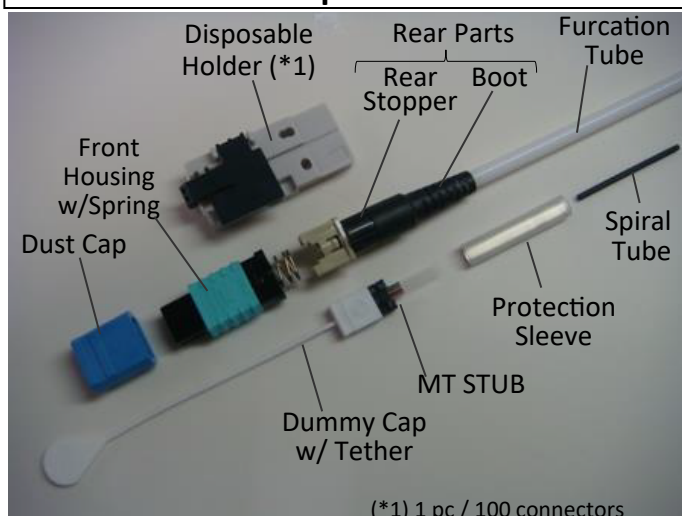
Splice-On Connector for 3mm Round Fiber Installation Instructions

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Composition



Polish Surface and Housing Color

SM Std. Loss	MM5010GOM3
8 degree Polish	Flat Polish
Green	Aqua

Precautions

- Improper assembly will result in a loss of performance. **Please read instructions** given in this operation manual and the operation manual of the fusion splicer.
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Assembling Tools

Below equipment and tools are strongly recommended.



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Fiber Alignment Tool FA-03	Cord Tool LYNX2-CORDTOOL-2&3		Kevlar Cutter	
				

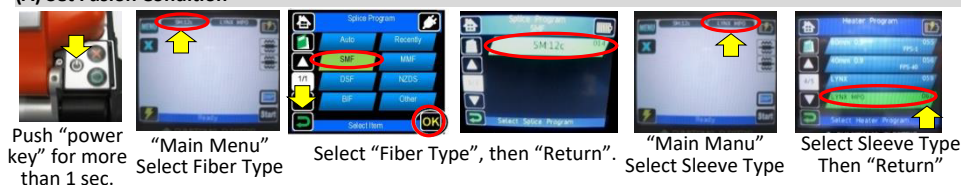
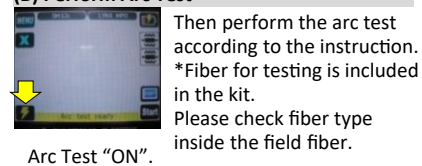
Recommended Program

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Type-Q101-M12 (T-71M12)	SMF 12c	SM12c	Lynx MPO
	SMF 8c	SM8c	
	MMF 12c	MM12c	
	MMF 8c	MM8c	

SMF : G.652, G.657

MMF : MM50(OM2), MM50(OM3), MM50(OM4)

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-  Please check fiber type inside the field fiber.

(A) Set Fusion Condition**(B) Perform Arc Test**

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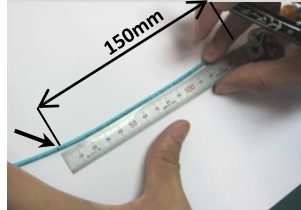
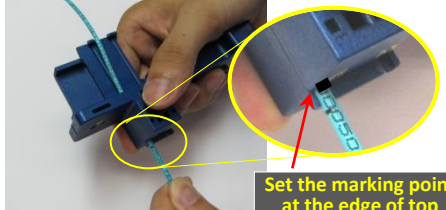
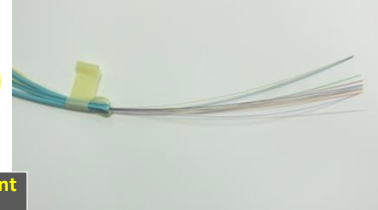
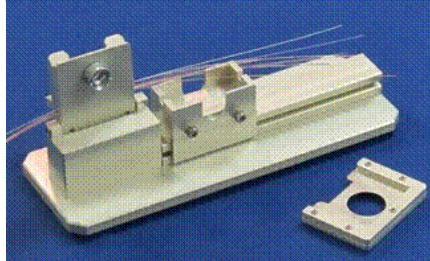
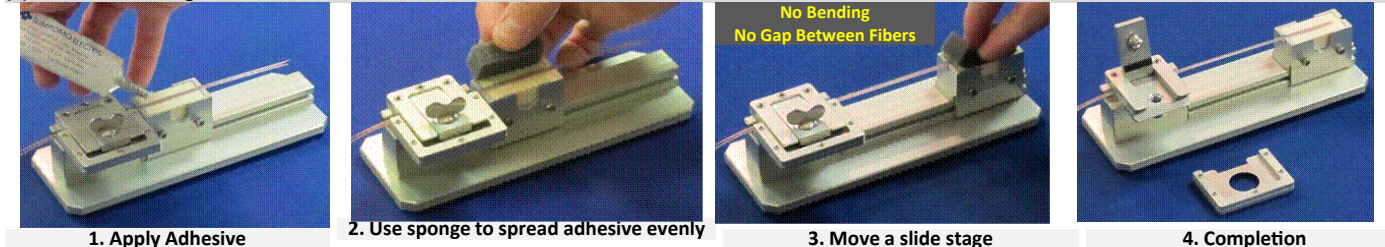
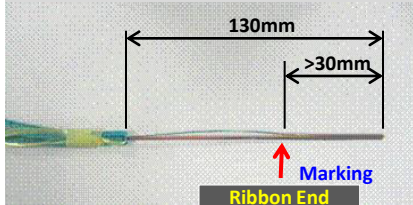
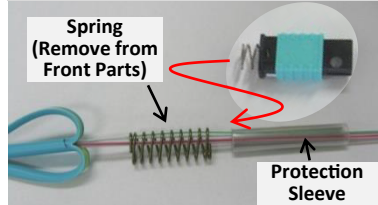
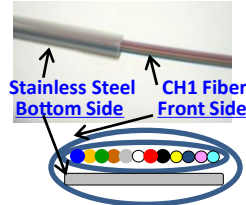
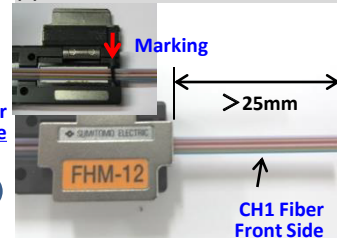
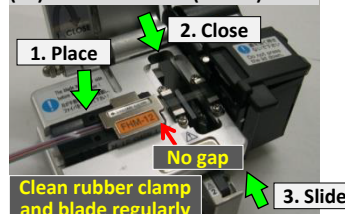
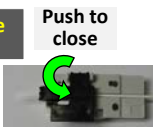
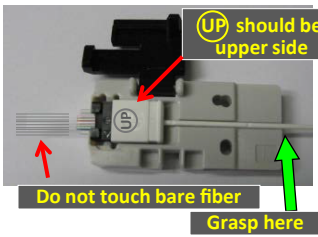
(1) Slide Rear Parts onto the cord.**(2) Mark at 150mm from the end of the cord.****(3) Mark Slit by LYNX2-CORDTOOL-2&3. Set the cord on "3mm" groove.****(4) Fold the slit outer sheath and Kevlar backward. Hold them by a mending tape.****(5) Fiber standing in line according to Table 1.**

Table 1. Fiber Alignment. (See Appendix.)

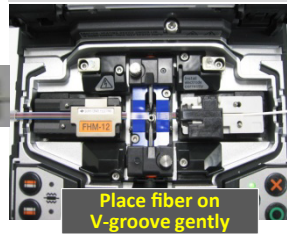
		For 8c								For 12c			
		CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10	CH11	CH12
Method A	End A	BL	OR	GR	BR	SL	WH	RD	BK	YL	VI	PK	AQ
	End B	BL	OR	GR	BR	SL	WH	RD	BK	YL	VI	PK	AQ
Method B	End A	BL	OR	GR	BR	SL	WH	RD	BK	YL	VI	PK	AQ
	End B	AQ	PK	VI	YL	BK	RD	WH	SL	BR	GR	OR	BL
Method C	End A	BL	OR	GR	BR	SL	WH	RD	BK	YL	VI	PK	AQ
	End B	OR	BL	BR	GR	WH	SL	BK	RD	VI	YL	AQ	PK
Another (ex. Corning)	End A	BL	OR	GR	BR	SL	WH	RD	BK	YL	VI	PK	AQ
	End B	AQ	PK	VI	YL	BK	RD	WH	SL	BR	GR	OR	BL

(6) Ribbon Processing.**(7) Cut the fiber to be 130mm and confirm the length of ribbonized is 30mm or more.****(8) Slide Rear Parts, Spring and Protection Sleeve onto the ribbon fiber.****Make sure the orientation of Sleeve****(9) Set ribbon fiber on Fiber holder.****(10) Remove Coating (JR-6)****(11) Fiber Cleaning.****(12) Cleave the fiber (FC-6M)****(13) Set fiber holder on the splicer (left side).**

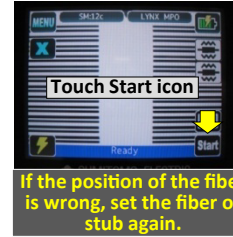
(14) Pick up MT STUB and set the stub on the plastic holder.



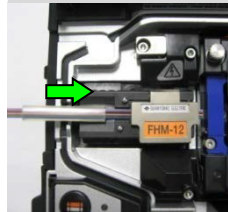
(15) Set stub holder on the splicer (right side).



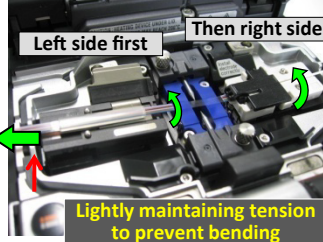
(16) Fusion Splice.



(17) Slide the sleeve to the holder.



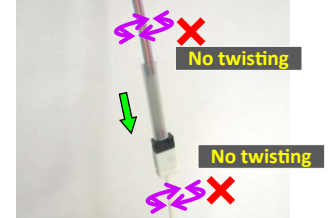
(18) Open the cover of the holder.



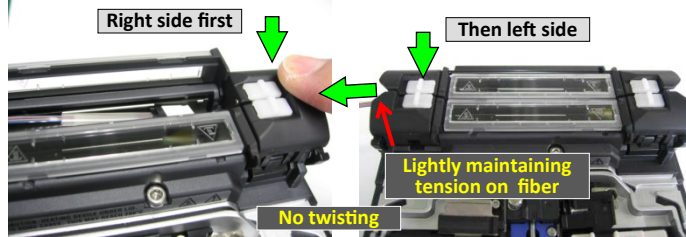
(19) Pick up the spliced fiber.



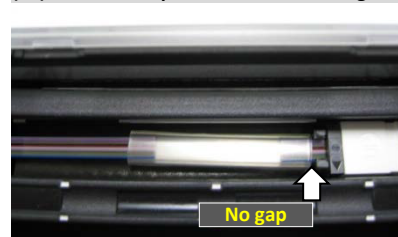
(20) Slide Protection Sleeve to MT STUB.



(21) Set Sleeve into the heater.



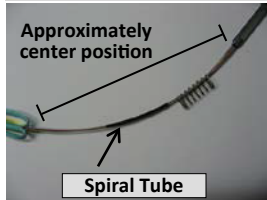
(22) Confirm the position before heating.



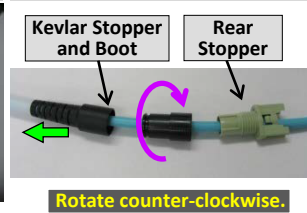
(23) Heat Protection Sleeve.



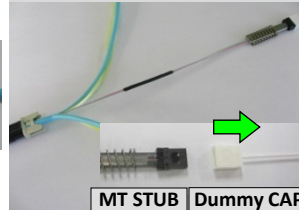
(24) Spiral & Pick up the cord.



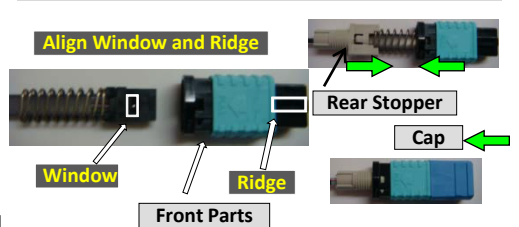
(25) Disassemble Rear Parts.



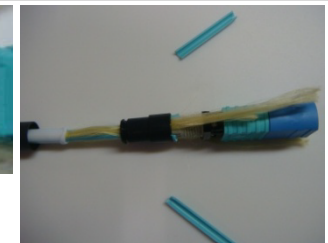
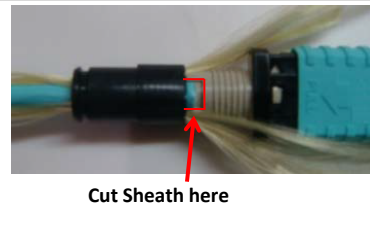
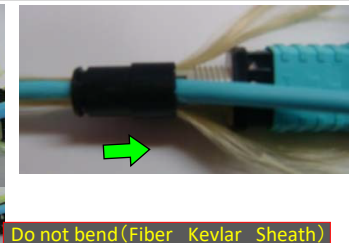
(26) Slide Rear Parts and remove Dummy Cap.



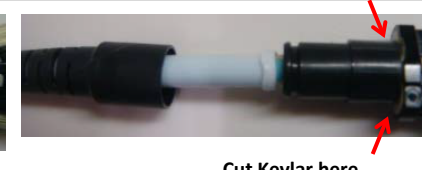
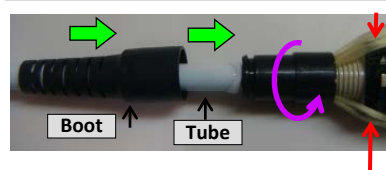
(27) Put Front Housing.



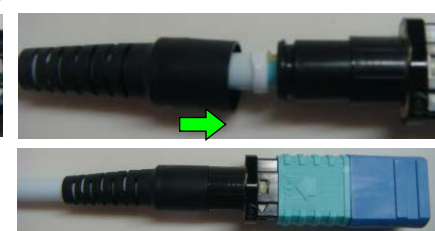
(28) Slide Kevlar Stopper. Trim the slit outer sheath.



(29) Secure Kevlar by screwing of Kevlar Stopper & Cut excess Kevlar



(30) Put Boot.



Get the parts/components closer to each other and straighten the fibers covered with the Kevlar in the Sheath

Rotate Kevlar Stopper with holding Kevlar on Housing

For Instructions in Local Languages and Technical Support:

www.panduit.com/resources/install_maintain.asp

PANDUIT
www.panduit.com

E-mail:
techsupport@panduit.com

Phone:
866-405-6654