

REV.	DESCRIPTION	DATE	APPROVED
-			

LC Connector Assembly Instructions

Using the ultra-low loss razor cutter (FF-LC-RZR1)

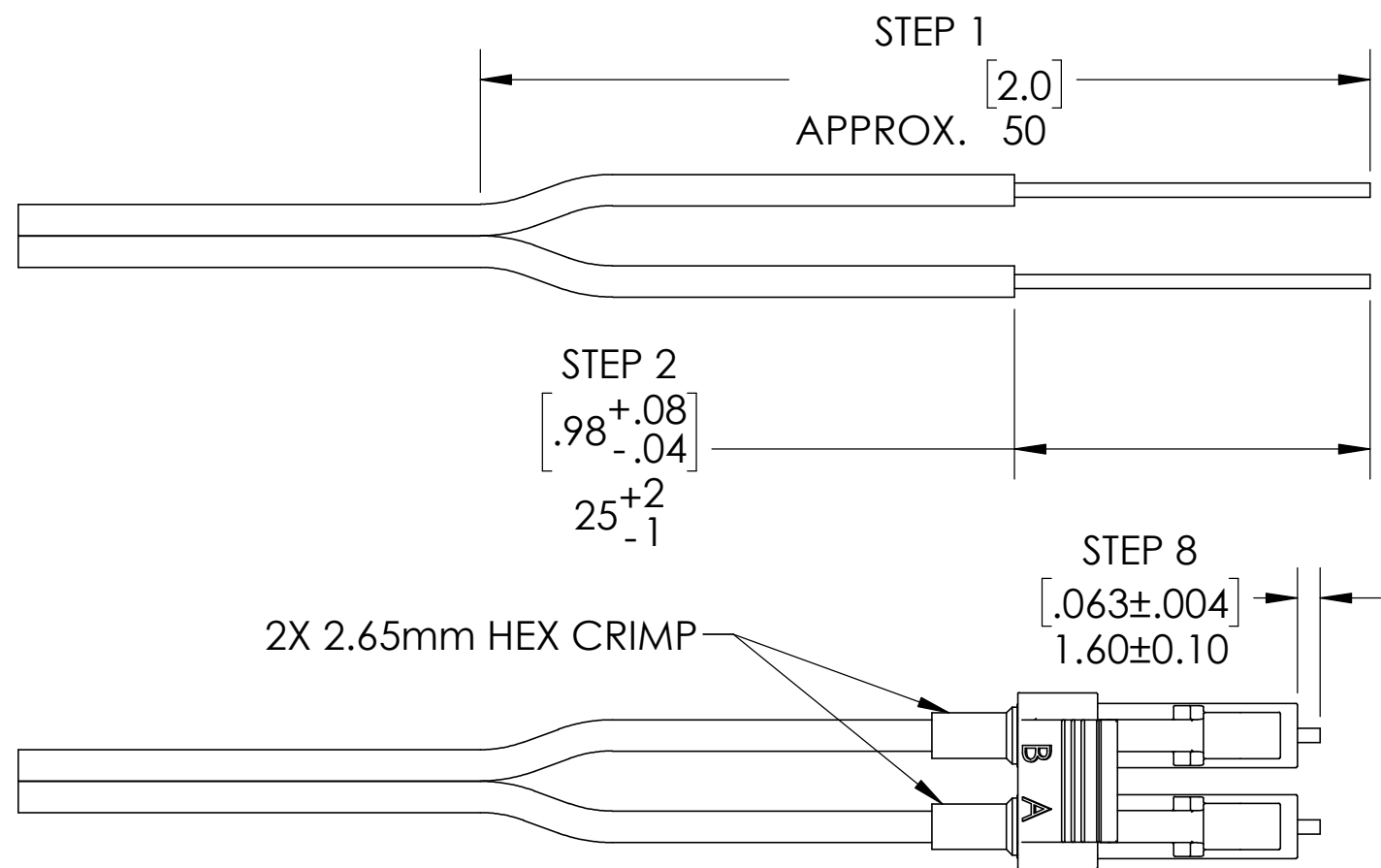
Read documents and instructions for all tools used prior to proceeding.

Cable Preparation

1. Slit the duplex zipcord fiber optic cable approximately 50 mm [2.0 in] from the end.
2. Strip approximately 25 mm [1.0 in] of jacket off of each of the fiber channels.
3. Repeat steps 1-2 for the opposite end of the fiber optic cable.

Assembly

4. Push each fiber channel into the LC connector.
5. Using the FF-CRMP-LC hand tool, crimp both connector ferrules. Fully close the tool's handle; the ratchet will release when the crimp is complete.
6. Repeat steps 4-5 for the opposite end of the fiber optic cable. Ensure that the channels (A, B) are matched correctly.
7. Finish the fiber ends using the razor cutter. Open the blade and insert the LC connector into the holes on the side of the tool, ensuring it is flush with the face of the tool. Close the blade to cut and finish the fibers.
8. Ensure that both fibers protrude from the end of each LC connector by approximately 1.6mm.
9. Repeat steps 7-8 for the opposite end of the fiber optic cable.



Notes:

- Ensure fiber protrusion is 1.60±0.10 mm for a 2.0 dB or lower insertion loss
- The LC razor cutter features 3 sets of cutting holes along the razor blade. Each set can be used a maximum of 10 times.
- Epoxy (FF-GMEPXY-1656) may be optionally applied to the fibers before crimping. Allow 24 hours for it to cure before finishing the fibers.

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UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN MILLIMETERS	DRAWN	CRW 5/18/2020
	CHECKED	
	ENG APPR.	
	MFG APPR.	
DIMENSIONS BASED UPON ANSI Y 14.5M-1994	Q.A.	
MATERIAL ERROR!:Material	COMMENTS:	
FINISH ERROR!:Finish		
DO NOT SCALE DRAWING		

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TITLE
FF-LC1000 Assembly Instructions

SIZE	PART NO.	REV
A	FF-LC1000-INSTRUCTIONS-RZR	-

SCALE: 3:2 WEIGHT: SHEET 1 OF 1