



SLiC™ Aerial Closure with Floating Bond

Instructions

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ANGLE 10 A 15 B 20 C 25 D 30 E 35 F 40 G 45 H 50 I 55 J 60 K

1.0 General

This instruction bulletin describes the assembly of the 3M™ SLiC™ Aerial Closure with Floating Bond and external bonding hanger brackets. The closures are free breathing and suitable for straight, butt, and branch splices of non-pressurized communication cables.

	SLiC 2 x 19 FB	SLiC 2 x 29 FB	SLiC 3 x 33 FB	SLiC 5 x 33 FB	SLiC 7 x 33 FB	SLiC 9 x 36 FB
Maximum Splice Opening	14" (356 mm)	17" (432 mm)	21" (533 mm)	21" (533 mm)	21" (533 mm)	25" (635 mm)
Maximum Bundle Diameter	2.2" (55.9 mm)	2.6" (66 mm)	3.6" (91.4 mm)	5.6" (142.2 mm)	7.6" (193.0 mm)	9.6" (244 mm)
Approx. Cable Range Pair Count	100 pair 26 or 24 AWG (0.4 or 0.5 mm)	**200 pair 26 or 24 AWG (0.4 or 0.5 mm)	*400 pair 26 or 24 AWG (0.4 or 0.5 mm)	*1200 pair 26 AWG (0.4 mm)	*2400 pair 26 AWG (0.4 mm)	*3600 pair 26 AWG (0.4 mm)

End Seal 3 Port

End Seal Diameter Port #1			0.2" - 1.6" (5 - 41 mm)	0.2" - 2.2" (5 - 56 mm)	0.2" - 3.8" (5 - 97 mm)	0.2" - 3.8" (5 - 97 mm)
End Seal Diameter Port #2			0.2" - 1.0" (5 - 25 mm)	0.2" - 1.4" (5 - 36 mm)	0.2" - 1.8" (5 - 46 mm)	0.2" - 1.8" (5 - 46 mm)
End Seal Diameter Port #3			0.2" - 1.0" (5 - 25 mm)	0.2" - 1.4" (5 - 36 mm)	0.2" - 1.8" (5 - 46 mm)	0.2" - 1.8" (5 - 46 mm)

End Seal 2 Port

End Seal Diameter Port #1	0.2" - 1.0" (5 - 25 mm)	0.2" - 1.0" (5 - 25 mm)	0.2" - 2.0" (5 - 51 mm)	0.8" - 2.2" (20 - 56 mm)	1.6" - 3.2" (41 - 81 mm)	1.6" - 3.2" (41 - 81 mm)
End Seal Diameter Port #2	0.2" - 0.6" (5 - 15 mm)	0.2" - 0.6" (5 - 15 mm)	0.2" - 0.6" (5 - 15 mm)	0.2" - 2.2" (5 - 56 mm)	0.2" - 3.2" (5 - 81 mm)	0.2" - 3.2" (5 - 81 mm)

End Seal 1 Port

End Seal Diameter Port #1	0.2" - 1.6" (5 - 41 mm)	0.2" - 1.6" (5 - 41 mm)	0.2" - 2.6" (5 - 66 mm)	0.2" - 4.0" (5 - 102 mm)		
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* BASED ON 2-BANK STRAIGHT SPLICE USING 4000-DWP MODULE

** BASED ON MORE THAN ONE CABLE

End Seal
1 Port



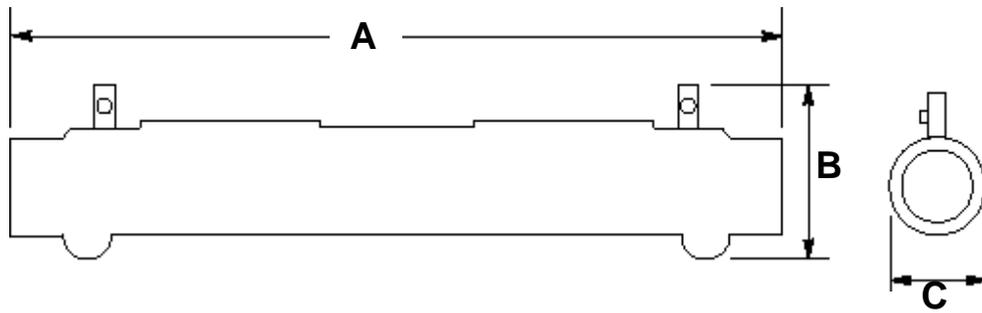
End Seal
2 Port



End
3 F



2

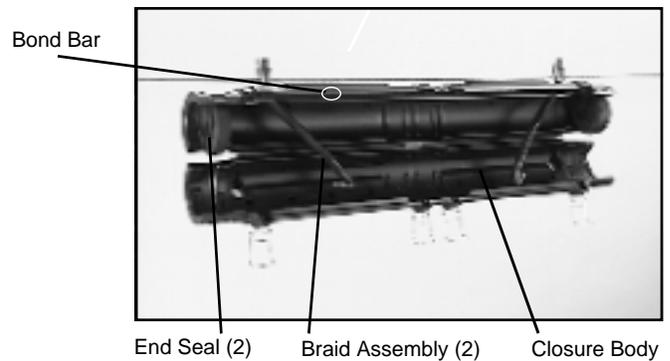
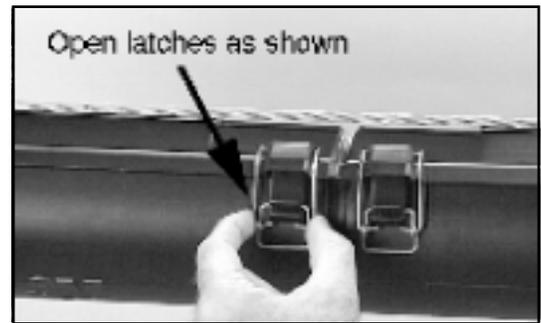


Size	A"	B"	C"
2 x 19	19" (483 mm)	5.3" (135 mm)	3.2" (80 mm)
2 x 29	29" (737 mm)	5.9" (150 mm)	3.2" (80 mm)
3 x 33	33" (838 mm)	7.1" (180 mm)	4.7" (119 mm)
5 x 33	33" (838 mm)	9.2" (234 mm)	6.8" (173 mm)
7 x 33	33" (838 mm)	11.5" (292 mm)	8.9" (227 mm)
9 x 36	36" (914 mm)	13.5" (343 mm)	10.9" (276 mm)

2.0 Kit Contents

2.01 Closure Body with:
 Bond Bar
 Braid Assembly
 End Seals

2.02 Additional Materials Required:
 Shield Connectors
 Cable Ties
 Cable Spacers
 Moisture Resistant Splicing Connectors
 Vinyl Tape

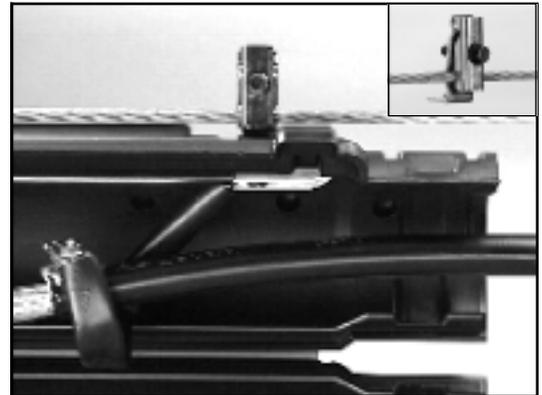


3.0 Closure Installation, Cable Preparation, Bonding and Splicing

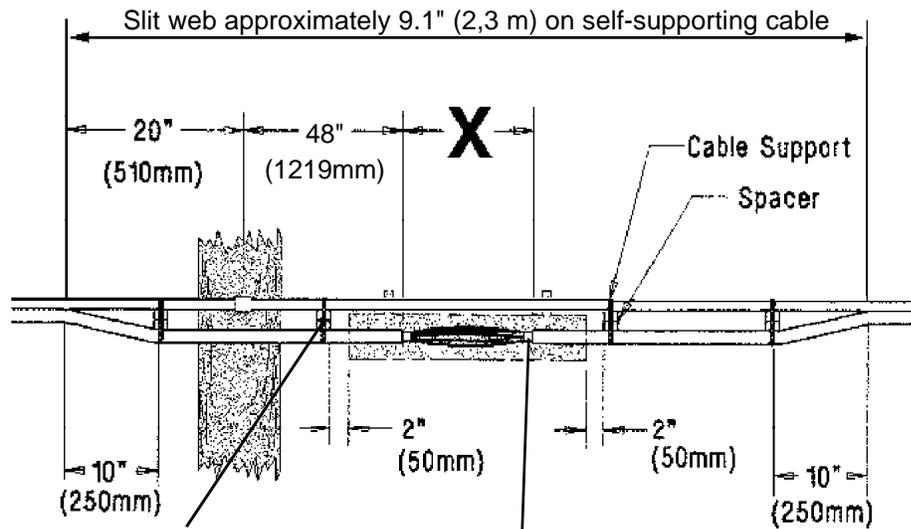
- 3.01 Prepare cable and strand for mounting closure. Refer to chart in Section 1.0 for splice opening.
- 3.02 Attach closure to strand using the proper position at the bottom of the external bond hanger bracket.

Note: Always use bottom notch with small groove. For 10M strand and larger, rotate hanger cap and use large groove. Secure the hanger brackets to strand using 50 in•lbs (565 cm•N) torque. For self-supporting cable, tighten to 75 in•lbs (850 cm•N) torque.

- 3.03 Install shield connectors and attach braid from closure body.



- 3.04 Splice.
 - a) Use moisture resistant connectors (Scotchlok™, MS2™ with sealant box)
 - b) Orient connectors with wires exiting DOWN
 - c) Tie splice bundle with cable ties



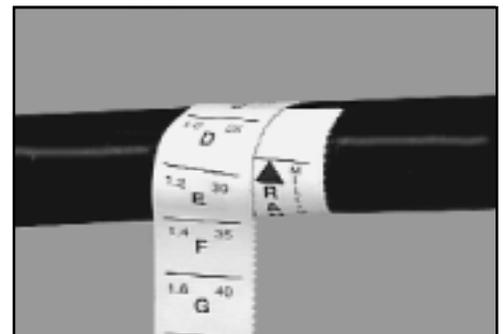
Lashed cable support and spacer (use appropriate size of cable spacer to keep cable at the same level or slightly lower than the end seal openings)

** X See Table in Section 1.0

4.0 End Seal Installation

- 4.01 Use guide, (attached) to select range to cut end seal.

Note: If on line, always cut in smaller range.



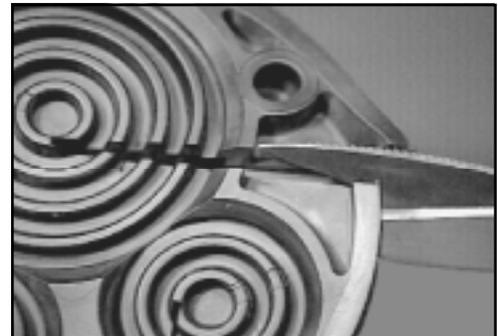
4.02 Puncture and cut through range letter on front side of each seal.



4.03 For new construction, tear out center section from back side.

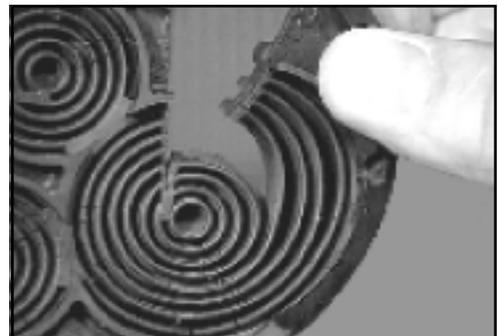


4.04 For existing cable, slit end seal from outside edge.

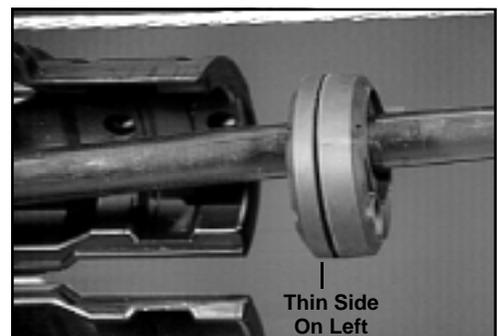


4.05 Tear out center section.

Note: *If too many rings are removed, center a 4" (102 mm) long piece of VM Tape under end seal.*



4.06 Install end seals on cable with thin side of each end seal on left and position in body.

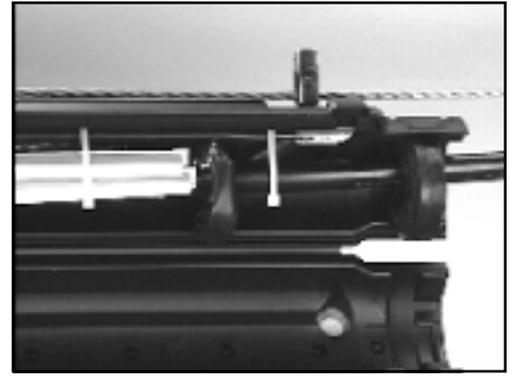


5.0 Closure Assembly

5.01 Tie splice bundle and cable ends to bond bar.

5.02 Close latches to seal.

Note: *White cable ties used for clarity only.*



6.0 Extending Closure

6.01 Remove bond bar with tubing from a second closure and cut off 6" (152 mm).

6.02 Cut second closure in half using center mark as a guide.

Note: *Each half section will only fit over similar end of main closure body.*

6.03 Install 6" (152 mm) bond bar with cover tubing on closure half.

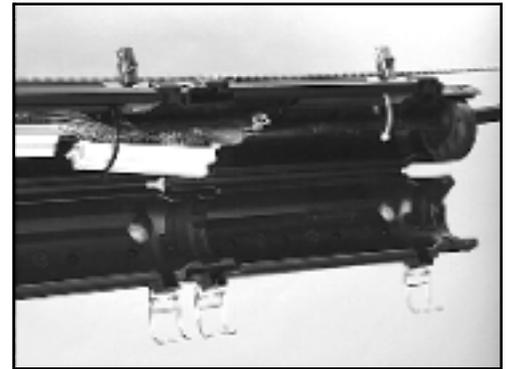
Note: *Use piece of braid from half section and attach to braid from main closure body or cut new braid to reach full length of extended closure.*

6.04 Install half section over end of main body.

6.05 Tie cable to 6" (152 mm) bond bar.

6.05 Reposition end seal in extended body, close latches to seal.

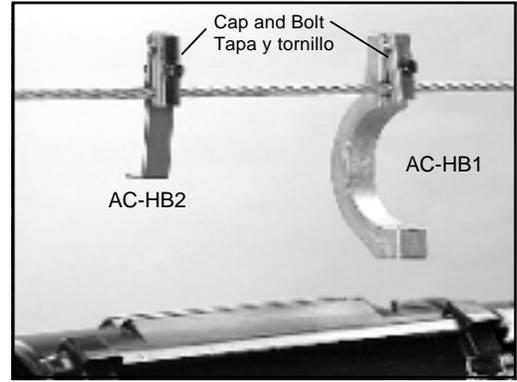
Note: *2x19 and 9x36 FB closures cannot be extended.*



7.0 Accessories

- 7.01 • AC-HB1 Aerial Closure Offset Hanger Brackets
• AC-HB2 Extended Hanger Brackets

Designed to support and bond the SLiC Closures to the messenger strand when more than one cable is supported by the messenger.



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