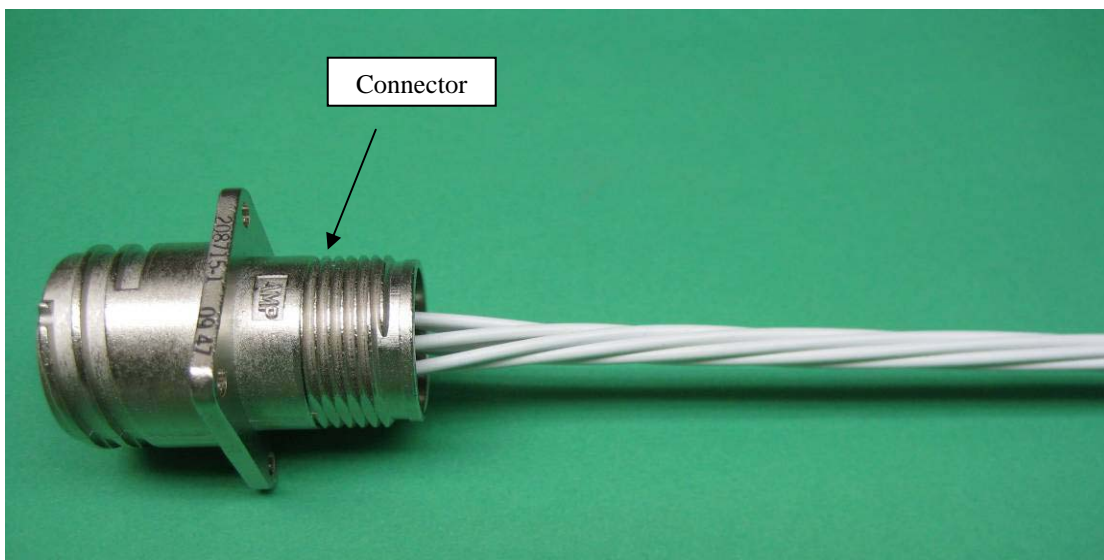


Side Entry Bushing (SEB) High Temperature Cable Clamp Bushing Installation Instructions

Side Entry Bushing (SEB) is a strain relief, and stress protection product that can be placed around a wire bundle and under a saddle clamp backshell adapter after the contacts of connector are installed into their cavities. The design of the coiled bushing allows it to be easily wrapped around the wire bundle and positioned in place under the clamps for optimum wire strain relief.

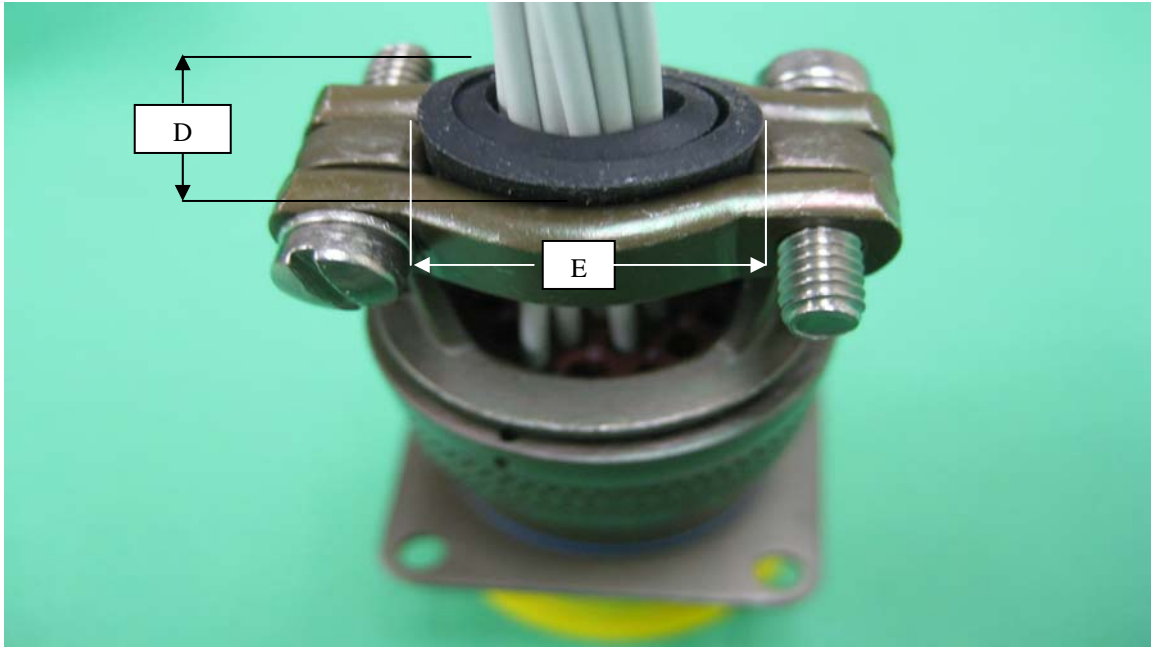
I. Installation

1. Install all prepared wires and spare contacts into proper cavities of the connector.

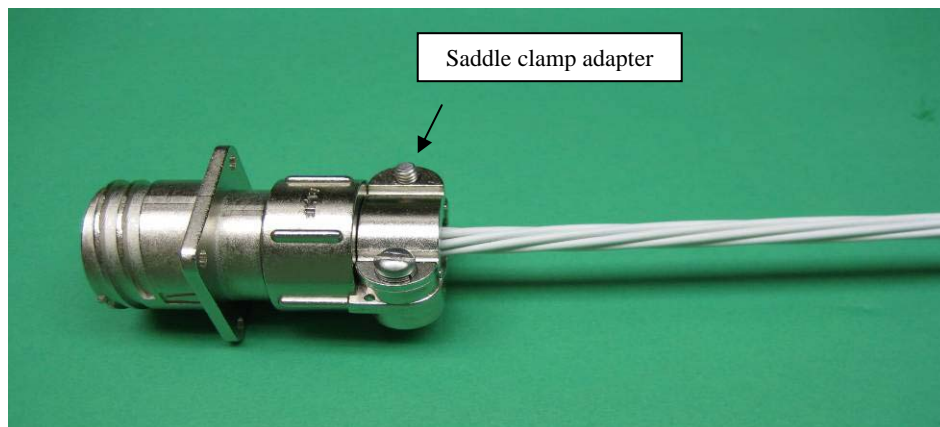


2. Select the proper bushing size using the **Selection Chart** on the following pages for the connector and backshell being use.
Note: Size selection may be affected by the percentage of cable fill and the use of ground lugs placed under the saddle clamp.

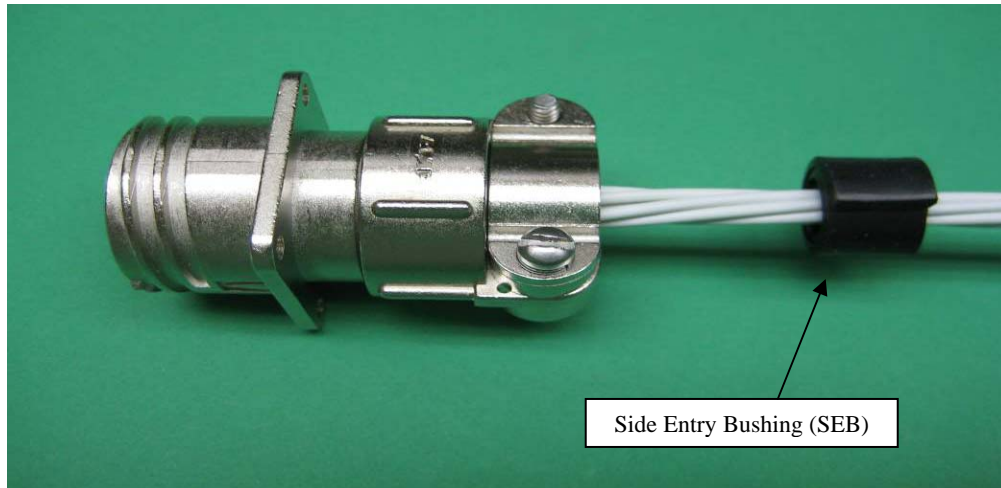
Selection Chart				
Side Entry Bushing (SEB) vs. Backshell				
Standard Connector	Backshell		SEB	
	D Dimension (Min.)	E Dimension (Ref.)	Size	Weight (grams)
9	.265 (6.73)	.22 (5.59)	A	0.6
11	.310 (7.87)	.27 (6.86)	B	1.2
13	.390 (9.91)	.35 (8.89)	C	2.1
15	.506 (12.85)	.47 (11.94)	D	3.2
17	.591 (15.01)	.55 (13.97)	E	5.0
19	.661 (16.79)	.62 (15.75)	E	5.0
21	.744 (18.90)	.70 (17.78)	E	5.0
23	.826 (20.98)	.78 (19.81)	F	8.1
25	.896 (22.76)	.85 (21.59)	F	8.1



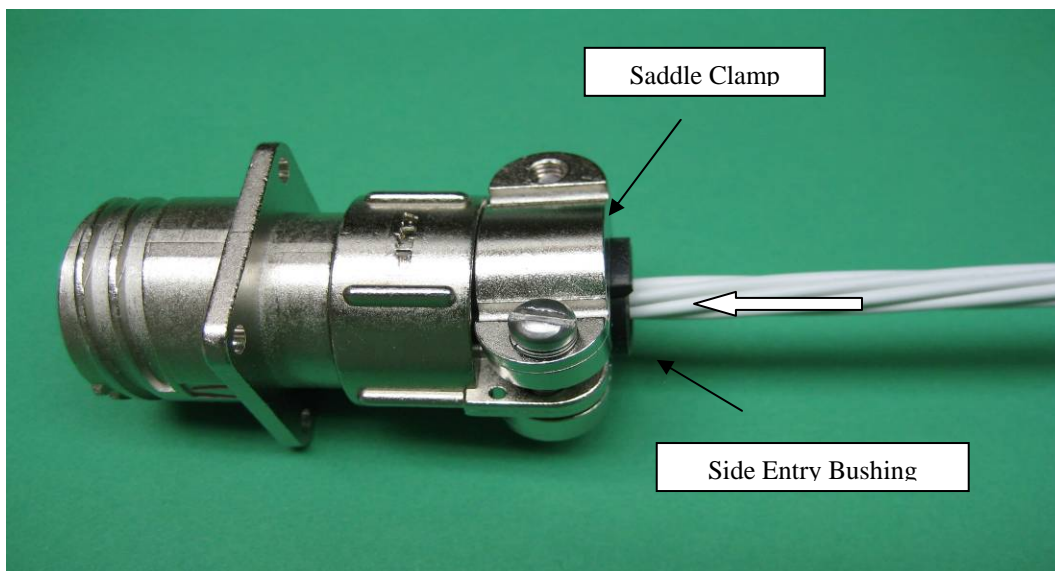
3. Slide the saddle clamp adapter towards the connector, thread into the connector, and torque to proper value.



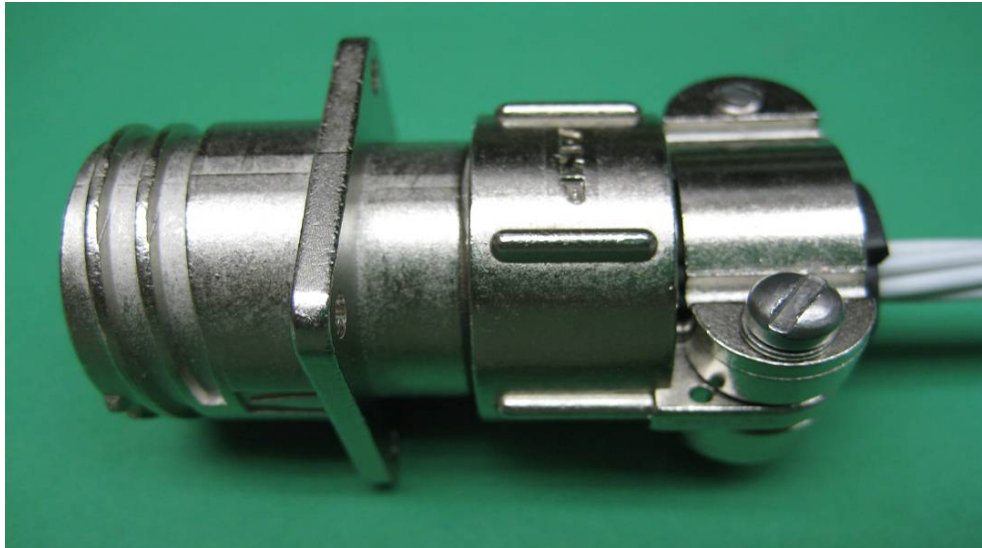
4. Loosen both screws of the saddle clamp evenly so that the cable bundle and the side entry bushing can slide under it.
5. Uncoil the side entry bushing and start wrapping the bushing tightly around the cable bundle, approximate 1 inch from saddle clamp and hold it in place. **Note:** For the small cable bundle it is important to wrap the inside end of the bushing first during wrapping process in order to keep the bushing tight around the cable bundle. (i.e. inside remains next to the wires)



6. Slide the bushing forward and center it under the clamping bracket.

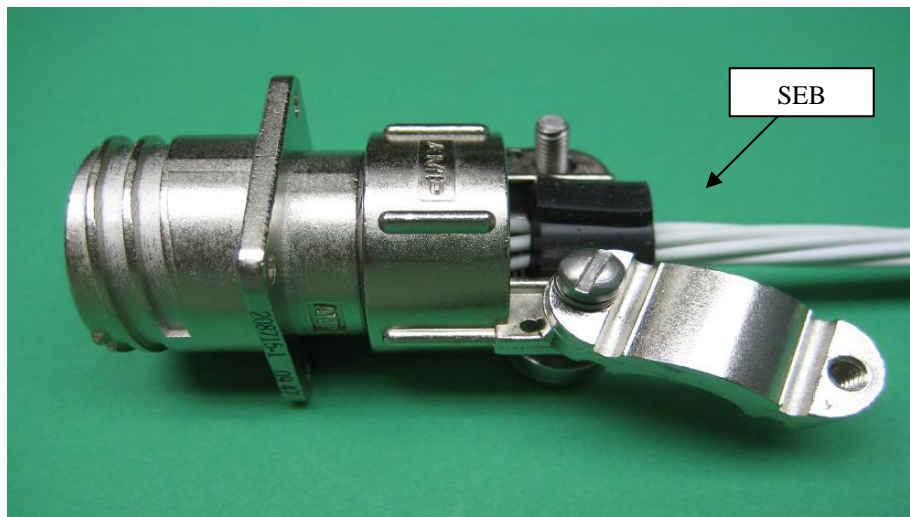


7. Hold the two halves of the saddle clamps against the bushing and use an appropriate tool to tighten the saddle clamps in accordance with technical requirements. Slight compression of the bushing under the pressure of the clamps is a good indication of proper sizing. If excessive compression or lack of compression occurs after the tightening of the clamps, reconsider the bushing size or trim as necessary for a proper fit.



II. Instruction for Rework

1. Loosen the saddle clamp screws and remove one screw from the clamp.
2. Swing the saddle clamp bracket to one side to expose the bushing.



3. Slide the bushing out of the saddle clamp or uncoil and remove the bushing from the cable bundle.
4. Rework the connector as required.
5. Follow the steps 4, 5, and 6 of the installation guide above to re-install the bushing under the saddle clamp of the backshell.

For assistance or more information, call Tyco Electronics/Raychem: 1-800-522-6752

Product Name	MSDS References
SFR	RAY3122

IMPORTANT

The information contained in these installation instructions is for use only by installers trained to make electrical power installations and is intended to describe the correct method of installation for this product. However, Tyco Electronics Corporation has no control over the field conditions which influence product installation. All information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Tyco Electronics Corporation makes no warranties as to the accuracy or completeness of information, and disclaims any liability regarding its use. Tyco Electronics Corporation's only obligations are those in the Tyco Electronics Corporation Standard Terms and Conditions of Sale for this product, and in no case will Tyco Electronics Corporation or its distributors be liable for any incidental, direct, or indirect, or consequential damages arising from the sale, use, or misuse of the product. Specifications are subject to change without notice. In addition, Tyco Electronics Corporation reserves the right to make changes without notification to the Buyer to materials or processing that do not affect compliance with any applicable specification.