



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





# 2178-LS EGI External Ground Isolation Kit for the 2178 and 2178-L/S Series Fiber Optic Splice Cases

## Instructions

### 1.0 Purpose

- 1.1 External Ground Isolation for 3M™ 2178, 2178-G, and 2178-L/S Series Fiber Optic Splice Cases.

### 2.0 Contents of the 3M™ 2178-LS EGI External Ground Isolation Kit

- Housing Assembly (2)
- Ground Wire (2)
- Lock washer (2)
- Nut (2)
- Plastic cap (2)
- 3M™ Scotchlok™ 4460-DNFO Shield Bond Connector Assembly (2)

Additional materials required:

- 3M™ 2178-125 Mastic Tape (if using mastic seal)

### 3.0 Using the 2178-LS EGI Kit with Splice Cases using Gaskets

- 3.1 Place the sealing plug in the cable port inside the gasket opening. The 2178-LS EGI should be positioned as shown in the illustration.

### 4.0 Using the 2178-LS EGI Kit with Splice Cases using Mastic

- 4.1 Use the 2178-125 mastic tape to build the seals at the cable ports. Wrap the sealing plug housing approximately one time. Sealing tape OD should be flush with plug OD.
- 4.2 Place the sealing plug in the cable port as shown in the illustration.

### 5.0 2178-LS EGI Ground Wire Installation

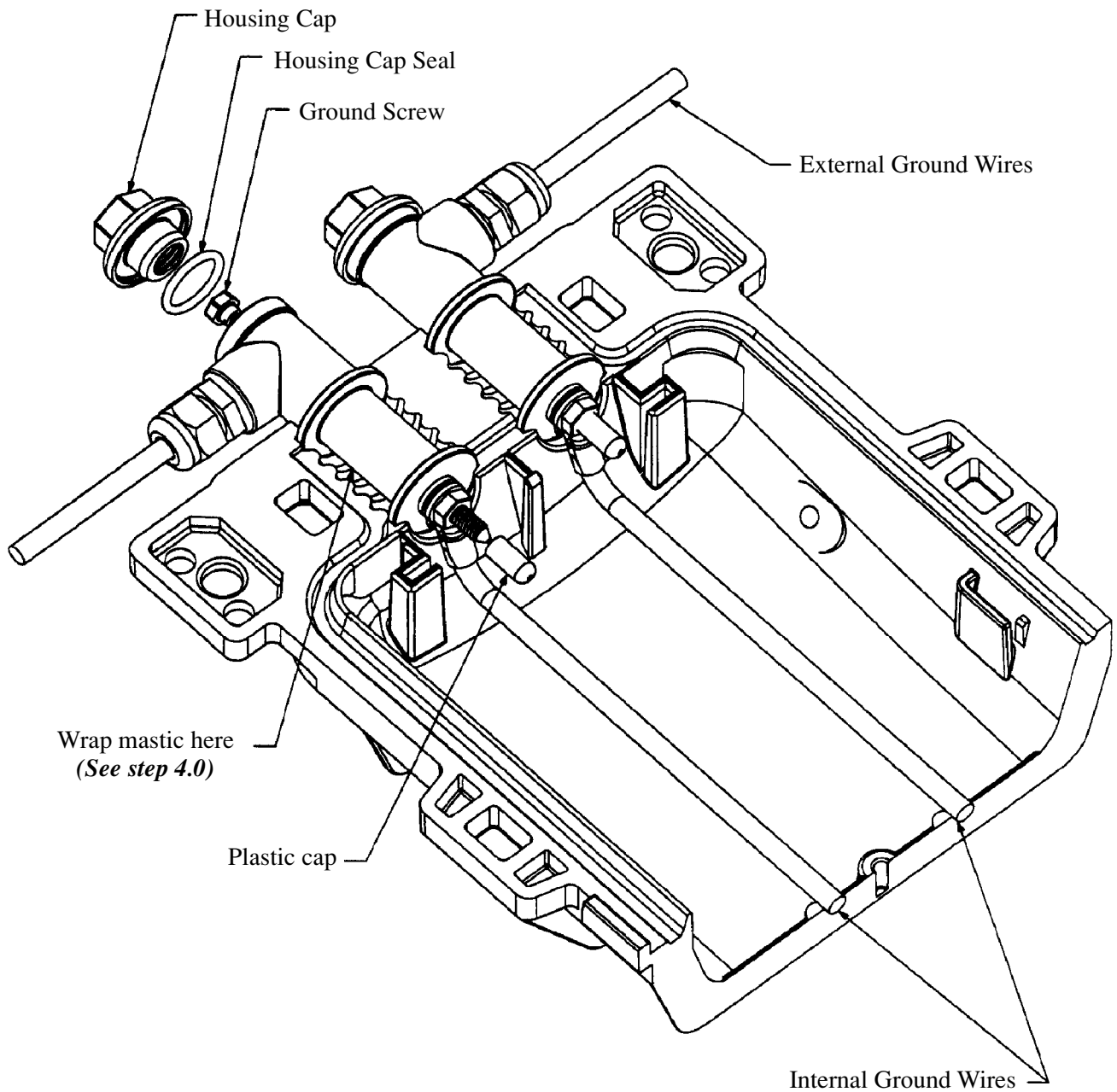
- 5.1 Install internal ground wire to EGI Kit inside the cable port. Torque nut to  $35 \pm 5$  in-lbs ( $4 \pm 0.6$  N·m). Install plastic cap over ground stud threads. Install other end of ground wire to a shield bond connector following the instructions provided with the connector.
- 5.2 Trim external ground wire insulation back 0.5" (12.7 mm) from end.
- 5.3 Remove housing cap. Insert ground wire through liquid-tight fitting into ground stud and tighten ground screw to  $35 \pm 5$  in-lbs ( $4 \pm 0.6$  N·m).

**Note:** Be sure ground wire is completely inserted into ground stud hole.

- 5.4 Install housing cap and torque to  $35 \pm 5$  in-lbs ( $4 \pm 0.6$  N·m).
- 5.5 Tighten liquid-tight fitting nut to ground wire with  $17 \pm 5$  in-lbs ( $2 \pm 0.6$  N·m).

### 6.0 Splice Case

- 6.1 Complete splice case installation according to the instructions for the 3M 2178 or 2178-L/S Series Fiber Optic Splice Case.



**Important Notice**

All statements, technical information and recommendations related to the Seller's products are based on information believed to be reliable, but the accuracy or completeness thereof is not guaranteed. Before utilizing the product, the user should determine the suitability of the product for its intended use. The user assumes all risks and liability whatsoever in connection with such use.

Any statements or recommendations of the Seller which are not contained in the Seller's current publications shall have no force or effect unless contained in an agreement signed by an authorized officer of the Seller. The statements contained herein are made in lieu of all warranties, expressed or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose which warranties are hereby expressly disclaimed.

SELLER SHALL NOT BE LIABLE TO THE USER OR ANY OTHER PERSON UNDER ANY LEGAL THEORY, INCLUDING BUT NOT LIMITED TO NEGLIGENCE OR STRICT LIABILITY, FOR ANY INJURY OR FOR ANY DIRECT OR CONSEQUENTIAL DAMAGES SUSTAINED OR INCURRED BY REASON OF THE USE OF ANY OF THE SELLER'S PRODUCTS THAT WERE DEFECTIVE.



**Telecom Systems Division**

6801 River Place Blvd.  
 Austin, TX 78726-9000  
 800/426-8688  
<http://www.mmm.com/telecom>



Recycled paper  
 40% pre-consumer  
 10% post-consumer

Litho in USA  
 © 3M 1997 34 -7041-6534-8-C