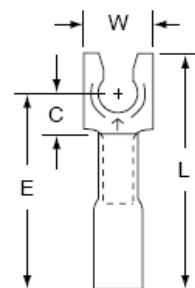


3M™ Scotchlock™ Terminals

MH18-6FL thru MH10-14FL

Locking Fork, Heat Shrink Insulated, Brazed Seam



Data Sheet

January 2012

Product Number	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.
MH18-6FL	22-18	6	0.25	0.15	1.00	0.76	0.030	0.25	0.070
MH18-8FL	22-18	8	0.30	0.15	1.00	0.70	0.030	0.25	0.090
MH18-10FL	22-18	10	0.32	0.15	1.00	0.76	0.030	0.25	0.070
MH14-6FL	16-14	6	0.25	0.12	1.00	0.76	0.030	0.25	0.090
MH14-8FL	16-14	8	0.30	0.12	1.00	0.70	0.030	0.25	0.090
MH14-10FL	16-14	10	0.32	0.12	1.00	0.76	0.030	0.25	0.090
MH14-14FL	16-14	1/4	0.43	0.27	1.10	0.85	0.030	0.25	0.090
MH10-8FL	12-10	8	0.32	0.16	1.00	0.80	0.040	0.25	0.135
MH10-10FL	12-10	10	0.32	0.16	1.00	0.80	0.040	0.25	0.135
MH10-14FL	12-10	1/4	0.43	0.30	1.20	0.95	0.040	0.25	0.135

Specifications

Wire Size: See Above
 Barrel Seam: Brazed
 Max. Voltage Rating: 600 V Building Wire 1000 V Signs, Fixtures and Luminaires
 Max. Operating Temp: 221°F (105°C)
 Max. Current: Same as Wire
 Insulator Material: Adhesive-lined Polyolefin, TMW
 Terminal Material: EPT Copper
 Terminal Plating: Tin

Engineering Specification

Crimp-type terminals shall, electrically and mechanically, connect to a pre-stripped end of a stranded copper wire, and have a flat tongue portion with a central opening for mounting around a screw or stud.

The terminal line shall offer tongue variations in hole (stud) size (6, 8 10, etc.) and configuration (ring, fork, block fork, flanged block fork, locking fork, etc.) and barrel variations in wire (AWG) size (22-18, 16-14, 12-10, etc.) and construction (non-insulated brazed seam, vinyl insulated butted seam, nylon insulated with insulation grip, etc.).

The heat shrink-insulated, brazed seam locking fork terminal shall be tin-plated, annealed copper, with the tongue having a specified stud slot (size 6 thru 1/4 in.) and a brazed seam barrel covered by an adhesive-lined heat shrink sleeve, color coded and sized for a specified (AWG) wire range (22-18, 16-14, 12-10.).

3M™ Scotchlok™ Terminals MH18-6FL thru MH10-14FL Locking Fork, Heat Shrink Insulated, Brazed Seam

Installation Information

Certified for use on stranded copper (AWG) wire only.
Strip away the end 3/8 inch of wire insulation.
Make the crimp in the proper station of a recommended 3M™ Crimp Tool: TH-440, TH-450 (scissor style) hand tools.
Shrink tubing using a heat gun. Heat until tubing is completely shrunk and adhesive protrudes slightly from the tubing.



Barrel Crimp (Electrical)



WARNING

Turn power off before installing or removing terminal. All electrical Work should be done according to appropriate electrical codes.

Shelf Life & Storage

This product has a 5-year shelf life from date of manufacture when stored in a humidity controlled storage (10°C/50°F to 27°C/80°F) and <75% relative humidity.

Availability

Please contact your local distributor; available from 3M.com/electrical {Where to Buy} or call 1-800-245-3573.

IMPORTANT NOTICE

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product, which are not contained in 3M's current publications, or any contrary statements contained on your purchase order, shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability

This product will be free from defects in material and manufacture at the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**

3M and Scotchlock are trademarks of 3M Company.



Electrical Markets Division

6801 River Place Blvd.
Austin, TX 78726-9000
800.245.3573
FAX: 800.245.0329
www.3M.com/electrical

Please recycle
© 3M 2012 All rights reserved
78-8126-0517-4 Rev C