



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!



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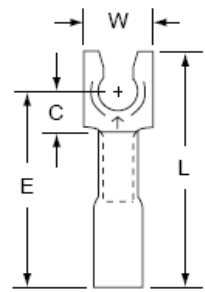
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3M™ Scotchlock™ Terminals

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.

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