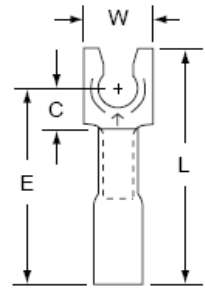


3M™ Scotchlock™ Terminals

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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