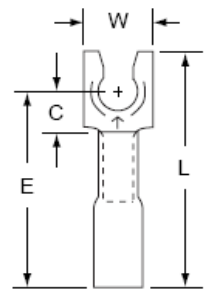


3M™ Scotchlock™ Terminals

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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