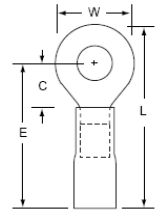


# 3M™ Scotchlock™ Terminals

## MH18-6R thru MH10-38R

### Ring Tongue, 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.
MH18-6R/L	22-18	6	0.31	0.15	1.00	0.84	0.030	0.25	0.070
MH18-8R/L	22-18	8	0.31	0.18	1.00	0.84	0.030	0.25	0.070
MH18-10R/L	22-18	10	0.31	0.20	1.00	0.84	0.030	0.25	0.070
MH14-6R/L	16-14	6	0.31	0.15	1.00	0.84	0.030	0.25	0.090
MH14-8R/L	16-14	8	0.31	0.18	1.00	0.84	0.030	0.25	0.090
MH14-10R/L	16-14	10	0.31	0.20	1.00	0.84	0.030	0.25	0.090
MH14-14R/S	16-14	1/4	0.47	0.26	1.1	0.86	0.030	0.25	0.090
MH14-516R/S	16-14	5/16	0.47	0.33	1.1	0.86	0.030	0.25	0.090
MH14-38R	16-14	3/8	0.56	0.28	1.1	0.87	0.030	0.25	0.135
MH10-8R	12-10	8	0.38	0.19	1.1	0.91	0.040	0.25	0.135
MH10-10R	12-10	10	0.38	0.21	1.1	0.90	0.040	0.25	0.135
MH10-14R	12-10	1/4	0.59	0.29	1.2	0.90	0.040	0.25	0.135
MH10-38R	12-10	3/8	0.59	0.29	1.2	0.90	0.040	0.25	0.135

#### Specifications

Wire Size: See Table 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 3/8 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 MH18-6R thru MH10-38R

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**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.

**! WARNING**

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

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**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.

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**Availability**

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

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