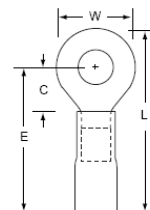


# 3M™ Scotchlock™ Terminals

## 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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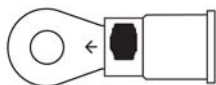
### Installation Information

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.



Barrel Crimp (Electrical)

### **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 { Where to Buy } or call 1-800-245-3573.

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