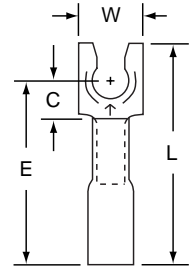




# Scotchlok™ Terminals

MH18-6FL thru MH10-14FL

Locking Fork, Heat Shrink Insulated, Brazed Seam



## Data Sheet

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	1.1	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	1.2	0.95	0.040	0.25	0.135



**LISTED** 314R  
UNDERWRITERS  
LABORATORIES  
STANDARD NO. UL 486A  
3M FILE NO. E23438



CANADIAN STANDARDS  
ASSOCIATION  
STANDARD NO. C22.2  
NO. 0. 65  
3M FILE NO. LR22190

## Specifications

Wire Size:  
Barrel Seam:  
Max. Voltage Rating:

Max. Operating Temp.:  
Max. Current:  
Insulator Material:

Terminal Material:  
Terminal Plating:

See Table Above  
Braze  
600 V Building Wire  
1000 V Signs, Fixtures  
and Luminaires  
221°F (105°C)  
Same as Wire  
Adhesive-lined  
Polyolefin, TMW  
ETP Copper  
Tin

## Installation Information

### ⚠ WARNING

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

UL Listed and CSA 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.



 Barrel Crimp (Electrical)

Shrink tubing using a heat gun. Heat until tubing is completely shrunk and adhesive protrudes slightly from the tubing.

## 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 terminal line shall have regulatory agency coverage (UL Listing, CSA Certification). The terminal tongue shall be marked with the wire range and manufacturer's symbol (↑).

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.).

Heat shrink terminals shall be UL Listed and CSA Certified for 600 Volts maximum building wire: 1000 Volts maximum in signs, fixtures and luminaries and have a maximum operating temperature of 221°F (105°C).

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### IMPORTANT NOTICE

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

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