



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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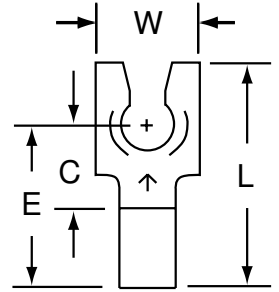




# Scotchlok™ Terminals

M18-4FL thru M10-14FL

Locking Fork, Non-Insulated, Brazed Seam



## Data Sheet

Product Number	Wire Range (AWG)	Stud Size	Max Lock Width	W	C	L	E	Thickness	Barrel Length	Barrel I.D.
M18-4FL	22-18	4	0.27	0.25	0.25	0.68	0.50	0.030	0.25	0.070
M18-6FL	22-18	6	0.27	0.25	0.25	0.68	0.50	0.030	0.25	0.070
M18-8FL	22-18	8	0.34	0.30	0.25	0.68	0.50	0.030	0.25	0.070
M18-10FL	22-18	10	0.35	0.32	0.25	0.68	0.50	0.030	0.25	0.070
M14-4FL	16-14	4	0.27	0.25	0.25	0.68	0.50	0.030	0.25	0.090
M14-6FL	16-14	6	0.27	0.25	0.25	0.68	0.50	0.030	0.25	0.090
M14-8FL	16-14	8	0.34	0.30	0.25	0.68	0.50	0.030	0.25	0.090
M14-10FL	16-14	10	0.35	0.32	0.25	0.68	0.50	0.030	0.25	0.090
M14-14FL	16-14	1/4	0.48	0.43	0.40	0.90	0.65	0.030	0.25	0.090
M10-6FL	12-10	6	0.30	0.28	0.28	0.73	0.53	0.040	0.25	0.135
M10-8FL	12-10	8	0.35	0.32	0.28	0.73	0.53	0.040	0.25	0.135
M10-10FL	12-10	10	0.36	0.32	0.28	0.73	0.53	0.040	0.25	0.135
M10-14FL	12-10	1/4	0.48	0.43	0.44	0.94	0.69	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

## Installation Information

### ⚠ WARNING

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

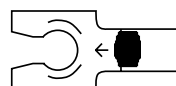
UL Listed and CSA Certified for use on stranded copper (AWG) wire only.

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), or TR-490 (ratchet style) hand tools.

## Specifications

Wire Size: See Table Above  
 Barrel Seam: Brazed  
 Max. Current: Same as Wire  
 Terminal Material: ETP Copper  
 Plating: Tin



Barrel Crimp (Required)

# 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 non-insulated, brazed seam locking fork terminal shall be tin-plated, annealed copper, with the tongue having a specified stud slot (size 4 thru 1/4 in.) and a brazed seam barrel with a beveled I.D. for ease of stranded wire entry, sized for a specified (AWG) wire range (22-18, 16-14, 12-10).

Non-insulated terminals shall be UL Listed and CSA Certified.

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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.

**Warranty; Limited Remedy; Limited Liability.** This product will be free from defects in material and manufacture as of the date of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.**

# 3M

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