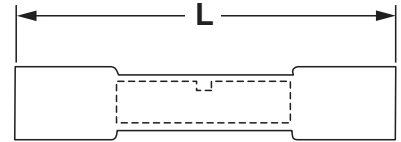




# Scotchlok™ Terminals

MH18BC, MH14BC, MH10BC

Butt Connector, Heat Shrink, Seamless



## Data Sheet

Product Number	Wire Range (AWG)	L (in.)	Thickness	Barrel Length	Barrel I.D. (in.)
MH18BC	22-18	1.2	0.031	0.28	0.062
MH14BC	16-14	1.3	0.031	0.30	0.095
MH10BC	12-10	1.5	0.031	0.38	0.142



UNDERWRITERS  
LABORATORIES  
STANDARD NO. UL 486C  
3M FILE NO. E23438



CANADIAN STANDARDS  
ASSOCIATION  
STANDARD NO. 22.2  
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) hand tools.



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

## Specifications

Wire Size:	See Table Above
Barrel Seam:	Seamless
Maximum Operating Temp:	221°F (105°C)
Maximum Voltage Rating:	600 V Building Wire 1000 V Signs or Fixtures (Luminaires)
Maximum Current:	Same as Wire
Insulator Material:	Polyolefin with adhesive, TMW
Terminal Material:	ETP Copper
Terminal Plating:	Tin

## Engineering Specification

Crimp-type terminals shall, electrically and mechanically, connect permanently to the pre-stripped end of two stranded copper wires.

The connector line shall offer barrel variations in wire (AWG) size (22-18, 16-14, 12-10) and construction (non-insulated brazed seam, vinyl insulated butted seam, nylon insulated seamless, etc.). The connector line shall have regulatory agency coverage (UL Listing, CSA Certification). The connectors shall be marked with the wire range and manufacturer's symbol (↑).

The polyolefin insulated, seamless butt connector shall be tin-plated, annealed copper, having a double-length, round seamless barrel with a center stop covered by a preapplied heat shrink tubing, color coded and sized for a specified (AWG) wire range (22-18, 16-14, 12-10).

Insulated connectors shall be UL Listed and CSA Certified for 600 volts maximum, building wire: 1000 volts maximum, signs and lighting fixtures (luminaires) and temperature rated 221°F (105°C) maximum.

3M and Scotchlok are trademarks of 3M.

 is a trademark of Underwriters Laboratories.

 is a trademark of Canadian Standards Association.

### 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**

Electrical Products Division

6801 River Place Blvd.  
Austin, TX 78726-9000  
<http://www.3M.com/elpd>

Litho in USA.  
© 3M 2002 78-8125-9660-5-B