

3M™ Scotchlok™ Terminals

MH18BC, MH14BC and MH10BC

Butt Connector, Heat Shrink, Seamless



Data Sheet

November 2010

Product Number	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D. (in.)
MH18BC	22-18	1.2 in.	0.031	.028	0.062
MH14BC	16-14	1.3 in.	0.031	0.30	0.095
MH10BC	12-10	1.5 in.	0.031	0.38	0.142

Specifications

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

Installation Information

WARNING

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

Strip away the end 3/8 inch of wire insulation.

Make the crimp in the proper station of a recommended 3M™ Scotchlok™ Crimp Tool: TH-440, TH-450 (scissor style) hand tools.



Barrel Crimp (Required)

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

3M™ Scotchlok™ Terminals MH18BC, MH14BC and MH10BC

Engineering Specification	<p>Crimp-type terminals shall, electrically and mechanically, connect permanently to the pre-stripped end of two stranded copper wires.</p> <p>The connector line shall offer barrel variations in wire (AWG) size (22-18, 16-14 and 12-10) and construction (non-insulated brazed seam, vinyl insulated butted seam, nylon insulated seamless, etc.). The connectors shall be marked with the wire range and manufacturer's symbol (↑).</p> <p>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 pre-applied heat shrink tubing, color coded and sized for a specified (AWG) wire range (22-18, 16-14 and 12-10).</p>
Shelf Life & Storage	3M™ Scotchlok™ Terminals MH18BC, MH14BC and MH10BC have 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).
Availability	Please contact your local distributor; available from 3M.com/electrical [Where to Buy] or call 1-800-472-1190.
Important Notice	All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. 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. Any statements related to the product, which are not contained in 3M's current publications, or any contrary statements contained on your purchase order, shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.
Warranty; Limited Remedy; Limited Liability	This product will be free from defects in material and manufacture at the time 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 indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.

3M and Scotchlok are trademarks of 3M Company.



Electrical Markets Division
6801 River Place Blvd.
Austin, TX 78726-9000
800 472.1190
FAX: 800.262.6329
www.3M.com/electrical

Please recycle
© 3M 2010 All rights reserved
78-8125-9660-5 C

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

3M:

[MH14BCK](#) [MH10BCK](#) [MH18BCK](#)