

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.

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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 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 (↑). 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).
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.
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