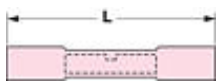


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[Printer-friendly format](#) **3M™ Scotchlok™ Seamless Butt Heat Shrink Connector MH18BCX, 22-18 AWG**



This connector has a wire range of 22-18 AWG and a case quantity of 100.

[\[click to enlarge\]](#)

GTIN(UPC/EAN) : 0 00 54007 06342 1
3M Id : 80-6105-3025-7

Additional Information

This butt connector uses chamfered barrel ends to provide fast easy wire insertion from both ends and a built in wire stop for correct positioning. It must be crimped at ends.

Learn More . . .

[Packaging Data](#)

[Butt Connectors - Heat Shrink Seamless - Product Selection Guide \(PDF 16.5 K\)](#)

[Recommended Stranded Wire Combinations - Product Selection Guide \(PDF 5.7 K\)](#)

[Scotchlok Crimp-Type Terminals MH18BC THRU MH10BC - Data Sheet \(PDF 27.2 K\)](#)

[Terminal Stud Size Chart - Product Selection Guide \(PDF 5.2 K\)](#)

Please Note:

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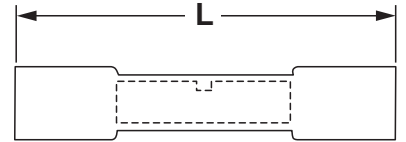
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Scotchlok™ Terminals

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.

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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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