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 [Printer-friendly format](#) **3M™ Scotchlok™ Vinyl Insulated Seamless Butt Connector MV14BCX, 16-14 AWG**

This connector has a wire range of 16-14 AWG and inner unit pack of 100 with a case quantity of 500. 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.


GTIN(UPC/EAN) : 0 00 54007 23110 3  
 3M Id : 80-6100-0155-6

**Additional Information**

**Learn More . . .**

[Packaging Data](#)  
[3M™ Scotchlok™ Terminals MV18BC, MV14BC, MV10BC - Data Sheet \(PDF 25.5 K\)](#)  
[Recommended Stranded Wire Combinations - Product Selection Guide \(PDF 5.7 K\)](#)  
[Terminal Stud Size Chart - Product Selection Guide \(PDF 5.2 K\)](#)

**Please Note:**  
 Adobe® Acrobat® Reader is required to view PDF documents.



**Characteristics**

<b>Agency Approvals</b>	UL and CSA
<b>Barrel Style</b>	Brazed
<b>China RoHS - Below MCV</b>	No
<b>CSA File Number</b>	LR22190
<b>EU RoHS Compliant</b>	No
<b>Insulation Material</b>	Vinyl
<b>Terminal Style</b>	Standard

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<b>Terminal Type</b>	Butt
<b>UL File Number</b>	E23438
<b>Wire Gauge Range</b>	14 to 16 American Wire Gauge (AWG)

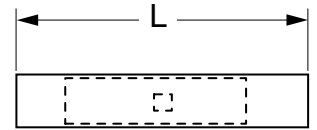
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# Scotchlok™ Terminals

MV18BC, MV14BC, MV10BC

Butt Connector, Vinyl Insulated, Seamless



## Data Sheet

Product Number	Wire Range (AWG)	L (in.)	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
MV18BC	22-18	1.02	0.031	0.28	0.062	0.125
MV14BC	16-14	1.02	0.031	0.30	0.095	0.155
MV10BC	12-10	1.20	0.038	0.38	0.142	0.218



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

## Specifications

Wire Size:  
Barrel Seam:  
Insulator Max. Volt. Rating:

See Table Above  
Seamless  
600 V Building Wire  
1000 V Signs or  
Fixtures (Luminaires)  
221°F (105°C)  
Same as Wire  
Vinyl  
ETP Copper  
Tin

Maximum Operating Temp:  
Maximum Current:  
Insulator Material:  
Terminal Material:  
Terminal Plating:



● Barrel Crimp (Electrical)

## Engineering Specification

Crimp-type connectors shall, electrically and mechanically, connect permanently to the pre-stripped ends 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 Vinyl Insulated, Seamless Butt Connector shall be tin-plated, annealed copper, having a double-length, round seamless barrel, with a center stop and a close fitting vinyl tube covering, 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 or fixtures and temperature rated 221°F (105°C) maximum.

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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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