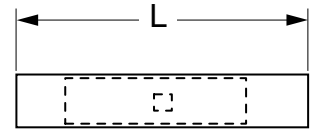




# Scotchlok™ Terminals

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.

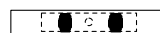
Make the crimp in the proper station of a recommended 3M crimp tool: TH-440, TH-450 (scissor style) or TR-490 (ratchet style) hand tools.

## 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.

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## 3M

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