3M United States

🖨 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)

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Characteristics

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

Government Solutions Catalogs
- **Product Catalog for Government Solutions**
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  - 3M™ Electrical Products
  - 3M™ Environmental Protection, Clean Up and Safety Products
  - 3M™ Government Facilities Products
  - 3M™ Government Vehicle Products
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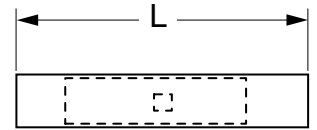|	
Terminal Type	Butt
UL File Number	E23438
Wire Gauge Range	14 to 16 American Wire Gauge (AWG)

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Scotchlok™ Terminals

MV18BC, MV14BC, MV10BC
Butt Connector, Vinyl Insulated, Seamless

L

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.

Barrel Crimp (Electrical)

Specifications

Wire Size:	See Table Above
Barrel Seam:	Seamless
Insulator Max. Volt. Rating:	600 V Building Wire 1000 V Signs or Fixtures (Luminaires)
Maximum Operating Temp:	221˚F (105˚C)
Maximum Current:	Same as Wire
Insulator Material:	Vinyl
Terminal Material:	ETP Copper
Terminal Plating:	Tin

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 ($\uparrow$).

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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Electrical Products Division