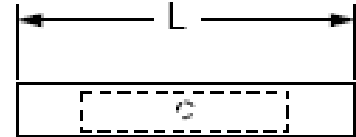


# 3M™ Scotchlok™ Terminals

MN24BC-A, MN18BC, MN14BC, MNG10BC

Butt Connector, Nylon Insulated,  
Seamless



Data Sheet

May 2008

Product Number	AWG (mm <sup>2</sup> ) Wire Range O.D.	L	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
*MN24BC-A	26 – 24	0.79	.025	.20	.050	.080
MN18BC	22 – 18	1.02	.031	.28	.062	.125
MN14BC	16 – 14	1.02	.031	.30	.095	.155
MN10BC	12 - 10	1.20	.038	.38	.142	.218

\*Not UL Listed or CSA Certified

## Specifications

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

## Agency Approvals Self Certification

Underwriters Laboratories Standard No. UL-486C, 3M File No. E23438.

Canadian Standards Association Standard No. 22.2, No. 0, 65, 3M File No. LR22190.



# 3M

---

## 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™ Scotchlok™ Crimp Tool: TH-440, TH-450 (scissor style) or TR-490 (ratchet style) hand tools.

For the MN24BC-A, use the 3M™ Scotchlok™ Crimp Tool TH-450.



 Barrel Crimp (Required)

---

## Engineering Specification

Crimp-type connectors shall, electrically and mechanically, connect to the pre-stripped end of two stranded copper wires.

The connector line shall offer barrel variations in wire (AWG) size (26-24, 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 Nylon Insulated Seamless Butt Connector shall be tin-plated, copper, having a double-length, round seamless barrel, with a center stop and a close fitting nylon tube covering, color coded and sized for a specified (AWG) wire range (26-24, 22-18, 16-14 and 12-10).

Insulated connectors shall be UL Listed and CSA Certified for 600 volts maximum for building wire, 1000 volts maximum for signs or fixtures, and temperature rated 221°F (105°C) maximum.

---

## Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. 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. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

---

## Warranty; Limited Remedy; Limited Liability:

This product will be free from defects in material and manufacture from the time 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 indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**

---

3M and Scotchlok are trademarks of 3M Company.



### Electrical Markets Division

6801 River Place Blvd.  
Austin, TX 78726-9000  
800 245 3573  
FAX 800 245 0329  
www.3M.com/electrical

Please recycle.  
© 3M 2008 All rights reserved.  
78-8125-9661-3\_B