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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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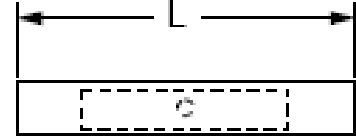
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# 3M™ Scotchlok™ Terminals

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 -1 0	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

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## 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)

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## 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.

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