



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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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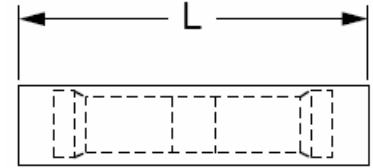




# Scotchlok™ Terminals

MNG18BCM-A, MNG14BCM-A,  
MNG10BCM-A

Butt Connector, Nylon Insulated with Insulation Grip, Moisture Resistant



Data Sheet

February 2008

Product Number	Wire Range (AWG)	L
MNG18BCM-A	22-18	1.02
MNG14BCM-A	16-14	1.06
MNG10BCM-A	12-10	1.23

## Specifications

Wire Size:	See Table Above
Barrel Seam:	Butted with insulation Grip
Maximum 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
Terminal Material:	Copper
Terminal Plating:	Tin
Sealant:	Petroleum based grease

## Installation Information

### ⚠ WARNING

Turn power off before installing or removing terminal. All electrical work should be done according to appropriate electrical codes.

Strip away the end 3/8 inch of wire insulation.

Make the crimp the proper station of a recommended 3M™ Scotchlok™ Crimp Tool: TH-440, TH-450 (scissor style) or TR-482, TR-490 (ratchet style) hand tools.



■ Barrel Crimp (Electrical)

□ Insulation Grip Crimp (required for sealant integrity)

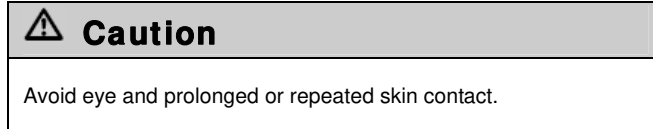
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**Engineering Specification**

Crimp-type terminals 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 (22-18, 16-14, 12-10) and construction (non-insulated brazed seam, vinyl insulated butted seam, nylon insulated seamless, etc.)

The insulator shall be color coded and sized for a specified (AWG) wire range (22-18, 16-14 and 12-10).



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**Suggested First Aid**

In case of eye contact, flush eyes with large amounts of water for at least ten minutes and call a physician

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