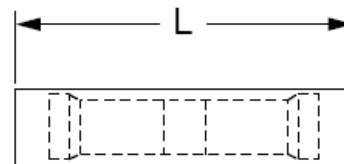


3M™ Scotchlok™ Terminals

MNG18BC thru MNG10BC

Butt Connector, Nylon Insulated with Insulation Grip



Data Sheet

July 2010

Product Number	Wire Range (AWG)	L	Barrel I.D.	Max. Insulation Diameter
MNG18BC	22-18	1.08 in.	0.07 in.	0.14 in.
MNG14BC	16-14	1.10 in.	0.09 in.	0.17 in.
MNG10BC	12-10	1.23 in.	0.135 in.	0.25 in.

Agency Approvals & Self Certifications

UL Listed, Standard No. UL 486C, 3M File No. E23438

CSA Certified, Standard No. C22.2 No. 0.65, 3M File No. LR22190

RoHS 2002/95/EC



RoHS Compliant 2002/95/EC* means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2002/618/EC, unless the substance is in an application that is exempt under RoHS. This information represents 3M's knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

Specifications

Wire Size:	See Table Above
Barrel Seam:	Butted with Insulation Grip
Max. Voltage Rating:	600 V Building Wire 1000 V Signs, Fixtures (Luminaires)
Max. Operating Temp:	221°F (105°C)
Max. Current:	Same as Wire
Insulator Material:	Nylon
Terminal Material:	Copper
Insulation Grip Material:	Brass
Plating:	Tin

3M™ Scotchlok™ Terminals MNG18BC thru MNG10BC

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-482, TR-490 (ratchet style) hand tools.



Barrel Crimp (Electrical)



Insulation Crimp (Mechanical)

Engineering Specification

Crimp-type terminals shall connect, electrically and mechanically, 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 and 12-10) and construction (non-insulated brazed seam, vinyl insulated butted seam, nylon insulated with insulation grip, etc.).

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

Shelf Life & Storage

This product has a 5-year shelf life from date of manufacture when stored in a humidity controlled storage (10°C/50°F to 27°C/80°F and <75% relative humidity).

Availability

Please contact your local distributor; available from 3M.com/electrical [Where to Buy] or call 1-800-472-1190.

Important Notice

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