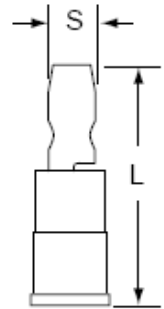


3M™ Specialty Terminals

81M-180-NB-A, 82M-180-NB-A,
Male Snap Plug, Nylon Insulated
with Insulation Grip



Data Sheet

September 2008

Product Number	Wire Range (AWG)	Mating Snap Diameter S	L	Maximum Insulation Diameter
81M-180-NB-A	22 - 18	0.180	0.87	.15
82M-180-NB-A	16 - 14	0.180	0.87	.19

Specifications

Wire Size:	See Table Above
Barrel Seam:	Butted with Insulation Grip
Maximum Voltage Rating:	300 V Building Wire
Maximum Operating Temp:	221°F (105°C)
Maximum Current:	Same as Wire
Insulator Material:	Nylon
Terminal Material:	Brass
Terminal Plating:	Tin

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 in the proper station of a recommended 3M™ Scotchlok™ Crimp Tool: TH-440, TH-450.



-  Barrel Crimp (Electrical)
-  Insulation Crimp (Mechanical)

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3M™ Specialty Terminals 81M-180-NB-A, 82M-180-NB-A

Male Snap Plug, Nylon Insulated with Insulation Grip

Engineering Specification Crimp-Type Snap Plug Connectors shall, electrically and mechanically, connect permanently to a pre-stripped end of a stranded copper wire, and have a round tongue portion for mating with a Snap Receptacle in a separable, reusable manner.

The connector line shall offer tongue variations sized to grip male tabs 0.156" and 0.180" diameter and barrel variations in wire (AWG) size (22-18, 16-4, 12-10) and construction (vinyl insulated, nylon insulated with insulation grip.).

The separable connector formed by the paired Male Snap Plug and Female Snap Receptacle may require a suitable strain relief to prevent accidental separation.

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