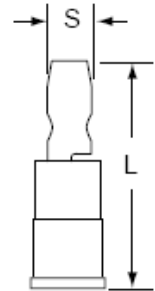


3M™ Specialty Terminals

81M-156-P-A, 82M-156-P-A,
Male Snap Plug, Vinyl Insulated,
Butted Seam



Data Sheet

September 2008

Product Number	Wire Range (AWG)	Mating Snap Diameter S	L	Maximum Insulation Diameter
81M-156-P-A	22 - 18	0.156	0.83	.15
82M-156-P-A	16 - 14	0.156	0.83	.17

Specifications

Wire Size:	See Table Above
Barrel Seam:	Butted
Maximum Voltage Rating:	300 V Building Wire
Maximum Operating Temp:	167°F (75°C)
Maximum Current:	Same as Wire
Insulator Material:	Vinyl
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)

3M

3M™ Specialty Terminals 81M-156-P-A, 82M-156-P-A Male Snap Plug, Vinyl Insulated, Butted Seam

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 (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.

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

Availability Please contact your local distributor; available from 3M.com/electrical [Where to Buy] or call 1-800-245-3573.

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

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