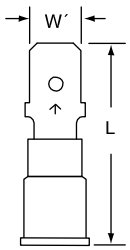
3M™ Highland™ Terminals

MTV14-187, MTV18-187

Male Disconnect, Vinyl Insulated, Butted Seam



Data Sheet **April 2014**

Product Number	Wire Range (AWG0	Mates with Female Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
MTV14-187	16-14	0.187 x 0.020	0.85	0.24	0.080	0.145
MTV18-187	22-18	0.187 x 0.020	0.85	0.24	0.080	0.145

Specifications

Wire Size:	See Table Above
Barrel Seam:	Brazed
Max. Voltage Rating:	600 V Building Wire or 1000 V Signs or Fixtures (Luminaires)
Maximum Operating Temp:	221°F (105°C)
Maximum Current:	Same as Wire
Insulator Material:	Vinyl
Terminal Material:	EPT Copper
Terminal Planting:	Tin

Installation Information

⚠WARNING

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

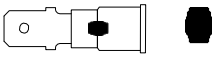
UL Listed and CSA Certified for use on stranded copper (AWG) wire only.

UNDERWRITERS LABORATORIES STANDARD NO. UL 310
3M FILE NO. E70512

CANADIAN STANDARDS ASSOCIATION STANDARD NO. C22.2 NO. 153
3M FILE NO. LR22190

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

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



Barrel Crimp (Electrical)

Suitable for factory application on steel or brass tabs UL or CSA.
Suitable for field application on brass tabs, strain relief required, UL only.

Engineering Specification	Crimp-type male quick-slide connectors shall, electrically and mechanically connect permanently to the prestripped end of a stranded copper wire: and have a flat rectangular tongue portion for mating to a Female Disconnect in a separable, reusable manner, forming a quick connect wiring connection. The connector line shall offer tongue variations (size 0.250 x 0.032 or 0.187 x 0.020 per ANSI/NEMA DC-2) and barrel variations in wire size 22-18 AWG, 16-14 AWG, 12-10 AWG and construction of non-insulated, vinyl insulated nylon fully insulated etc... The quick-slide connectors shall have regulatory agency coverage (UL Listing, CSA Certification). The tongue shall be marked with the wire range and the manufacturer's symbol. (↑) The vinyl insulated 0.187″ male disconnect shall be tin plated 0.020″ thick copper, with a 0.187" blade conforming to ANSI/NEMA DC-2 dimension and a 0.24″ long barrel with a molded vinyl sleeve, color coded, and sized for a specified (AWG) wire range (22-18, 16-14). Insulated connectors shall be UL Listed and CSA Certified for 600 volts maximum, building wire: 1000 volts maximum, signs and fixtures (luminaires). The connector shall be temperature rated 221˚F (105˚C) maximum. Quick slide connectors shall be suitable for field or factory wiring, with a UL Recognized strain relief required.
Availability	Please contact your local distributor; available from 3M.com/electrical [Where to Buy] or call 1.800.245.3573.

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