

Solutions for Electronic Specialty Markets (ESM)

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[Printer-friendly format](#) **3M™ Highland™ Non-Insulated Male Tab MT18-187L, 22-18 AWG**

This terminal has a wire range of 22-18 and a stud size of .187. It has case quantities of 10 bags per case.

GTIN(UPC/EAN) : 0 00 54007 70307 5
3M Id : 80-6105-8820-6

Additional Information

Attached to mating part by tongue slipping over male tab. Use of dents and rolled edges on female part provides excellent holding force while allowing easy and quick disconnect.

Learn More . . .

- [Packaging Data](#)
- [Highland Male Tabs - Non-Insulated - Product Selection Guide \(PDF 7.8 K\)](#)
- [Highland Terminals MT10-250, MT14-250, MT18-250 - Data Sheet \(PDF 18.8 K\)](#)
- [Highland Terminals MT14-187, MT18-187 - Data Sheet \(PDF 18.7 K\)](#)
- [Terminal Stud Size Chart - Product Selection Guide \(PDF 5.2 K\)](#)

Please Note:

Adobe® Acrobat® Reader is required to view PDF documents.



Characteristics

Agency Approvals	UL and CSA
Barrel Style	Butted
China RoHS - Below MCV	Yes
CSA File Number	LR22190
EU RoHS Compliant	Yes
Fastener Orientation	Male
Pad Width	0.187 Inch

Other Tools

- What's New
- Sales Contacts
- U.S. Distributors

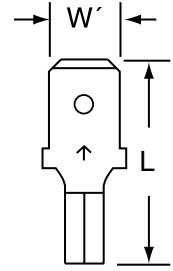
Terminal Style	Standard
Terminal Type	Disconnect
UL File Number	E70512
Wire Gauge Range	18 to 22 American Wire Gauge (AWG)



Highland™ Terminals

MT14-187, MT18-187

Male Disconnect, Non-Insulated, Butted Seam



Data Sheet

Product Number	Wire Range (AWG)	Mates with Male Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.
MT14-187	16-14	0.187 x 0.020	0.64	0.24	0.080
MT18-187	22-18	0.187 x 0.020	0.64	0.24	0.080



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



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

Specifications

Wire Size:
Barrel Seam:
Maximum Voltage Rating:

Maximum Current:
Terminal Material:
Plating:

See Table Above
Butted
600 V Building Wire
1000 V Signs or
Fixtures (luminaires)
Same as Wire
ETP Copper
Tin

Installation Information

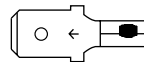
⚠ WARNING

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.

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



Barrel Crimp (required)

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 Disconnect shall, electrically and mechanically connect permanently to a prestripped end of a stranded copper wire: and have a flat rectangular tongue portion for mating to a Female Quick 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 Disconnect shall have regulatory agency coverage (UL Listing, CSA Certification). The tongue shall be marked with the wire range and the manufacturer's symbol.(↑)

The Male Quick Disconnect shall be tin plated 0.020" thick copper, with a 0.187" blade conforming to ANSI/NEMA DC-2 dimensions and a 0.24" long barrel 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).

Quick Disconnect connectors shall be suitable for field or factory wiring, with a UL Recognized strain relief required.

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IMPORTANT NOTICE

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

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