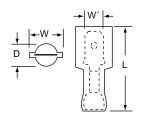
3M

Specialty Terminals

71M-187-20-NBL, 72M-187-20-NBL Male Disconnect, Nylon Fully Insulated with Insulation Grip



Data Sheet

Product Number	Wire Range (AWG)	L	w	D	Male Tab Width (W') x Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
71M-187-20-NBL	22-18	0.87	0.37	0.30	0.187 x 0.020	0.24	0.080	0.145
72M-187-20-NBL	16-14	0.87	0.37	0.30	0.187 x 0.020	0.24	0.080	0.145



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

Specifications

Wire Size:

Barrel Seam:



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

See Table Above

Grip

Butted with Insulation

600 V Building Wire

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-482, TR490 (ratchet style) hand tools.





Barrel Crimp (Electrical)

Insulation Crimp (Mechanical)

Maximum Voltage Rating:

1000 V Signs or Fixtures (Luminaires)

Maximum Temperature Rating: 221°F (105°C)

Maximum Current: Same as Wire

Insulator Material: Nylon

Terminal Material: ETP Copper

Insulation Grip Material: Brass

Plating: Tin

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 non-insulated, vinyl insulated, nylon fully insulated, etc.

The Nylon Fully Insulated Male 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 (\uparrow) .

The Nylon Fully Insulated Male Quick Disconnect with Insulation Grip 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 with a tin plated brass insulation grip covered by a molded nylon funnel entry sleeve which extends to cover the tongue, 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 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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