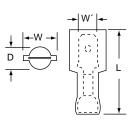
# **3M** Specialty Terminals

71M-250-32-NBL, 72M-250-32-NBL, 73M-250-32-NBL

Male Disconnect, Nylon Fully Insulated with Insulation Grip



## Data Sheet

Product Number	Wire Range (AWG)	L	w	D	<u>Male Tab</u> Width (W') x Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
71M-250-32-NBL	22-18	0.95	0.44	0.30	0.250 x 0.032	0.25	0.065	0.145
72M-250-32-NBL	16-14	0.95	0.44	0.30	0.250 x 0.032	0.25	0.085	0.170
73M-250-32-NBL	12-10	1.05	0.47	0.39	0.250 x 0.032	0.25	0.150	0.250



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

#### Specifications

Wire Size: Barrel Seam:

Maximum Voltage Rating:

Maximum Temperature Rating: Maximum Current: Insulator Material: Terminal Material: Insulation Grip Material: Plating:



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

See Table Above

1000 V Signs or Fixtures (Luminaires)

221°F (105°C)

Same as Wire

Nylon ETP Copper

Brass

Tin

Grip

Butted with Insulation

600 V Building Wire

### **Installation Information**

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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, TR-490 (ratchet style) hand tools.



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Barrel Crimp (Electrical)

Insulation Crimp (Mechanical)

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.  $(\uparrow)$ 

The Nylon Fully Insulated Male Quick Disconnect with Insulation Grip shall be tin plated 0.032" thick copper, with a 0.250" blade conforming to ANSI/NEMA DC-2 dimensions and a 0.25" 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, 12-10).

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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