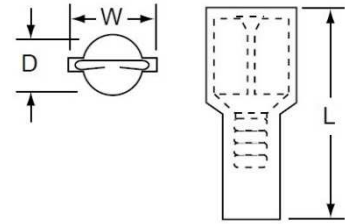


# 3M™ Specialty Terminals

71F-250-32-NL, 72F-250-32-NL

Female Disconnect, Nylon Fully Insulated  
Butted Seam



**Data Sheet**

**January 2017**

Product Number	Wire Range (AWG)	Mates with Male Tab Width x Thickness	L	W	D	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
71F-250-32-NL	22-18	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.145
72F-250-32-NL	16-14	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.145

**Agency Approvals and Self Certifications**

UL Standard No. 310, 3M File No. E70512

CSA Standard No. 22.2, 3M File No. LR22190

**Specifications**

Max. Voltage Rating:	600 V Building Wire 1000 V Signs, Fixtures (Luminaires)
Max. Operating Temp:	221°F (105°C)
Max. Current:	Same as Wire
Wire Size	See Table above
Barrel Seam:	Butted
Insulator Material:	Nylon
Terminal Material:	Brass
Plating:	Tin

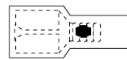
**Installation  
Information**

**⚠ 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 Scotchlok™ Crimp Tool: TH-440, TH-450 (scissor style), TR-482, TR-490 (ratchet style) hand tools.



 Barrel Crimp (Electrical)

Suitable for factory installation on steel or brass tabs, UL and CSA.

Suitable for field application on brass tabs, strain relief is required, UL only.

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**Engineering  
Specification**

Crimp-Type Female Disconnect shall, electrically and mechanically, connect permanently to the prestripped end of a stranded copper wire: and have a tongue portion which grip a Male Disconnect in a separable, reusable manner, forming a Quick Connect Wiring Termination.

The connector line shall offer tongue variations (sized to grip male tabs 0.187" x 0.250") and barrel variations in construction, non- insulated, nylon insulated with insulation grip, nylon fully insulated, etc. The Female Disconnects shall have regulatory agency coverage, UL Listing, CSA Certification. The tongue portion shall be marked with the wire range and manufacturer's symbol (↑).

Insulated connectors shall be UL Listed and CSA Certified for 600 V building wire: 1000 V signs or lighting fixtures (luminaires) and temperature rated 221°F (105°C) maximum.

Female Disconnects shall be suitable for field or factory wiring, with a UL Recognized strain relief required.

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**Shelf Life & Storage**

3M Specialty Terminals have a 5-year shelf life from date of manufacture when stored in a humidity controlled storage (10°C/50°F to 27°C/80°F and <75% relative humidity).

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**Availability**

Please contact your local distributor; available from 3M.com/electrical [Where to Buy] or call 1-800-472-1190.

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