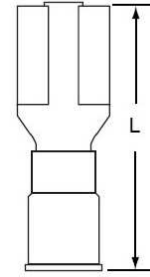


3M™ Specialty Terminals



71F-250-32-P, 72F-250-32-P
 Female Disconnect, Vinyl Insulated
 Butted Seam

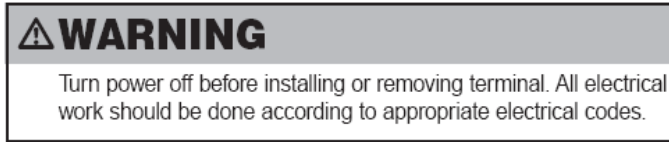
Data Sheet **January 2017**

Product Number	Wire Range (AWG)	Mates with Male Tab Width x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
71F-250-32-P	22-18	0.250 x 0.032	0.87	0.25	0.080	0.145
72F-250-32-P	16-14	0.250 x 0.032	0.87	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:	Vinyl
	Terminal Material:	Brass
	Plating:	Tin

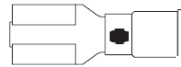
Installation Information



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 or TH-450 (scissor 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.

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 0.250" x 0.032" or 0.187" x 0.020" per ANSI/NEMA CD-2) and 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.

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).

Availability

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

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