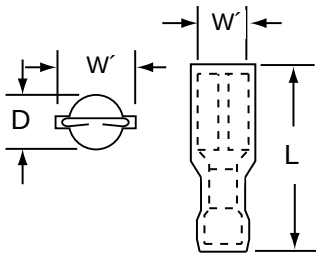
Specialty Terminals

71F-187-20-NBL, 72F-187-20-NBL

Female Disconnect, Nylon Fully Insulated, Insulation Grip



Data Sheet

Product Number	Mates with Male Tab Range (AWG)*	Width (W´) x Thickness	L	W	D	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
71F-187-20-NBL	22-18	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145
72F-187-20-NBL	16-14	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145

UNDERWRITERS LABORATORIES
STANDARD NO. UL 486C
3M FILE NO. E70512

CANADIAN STANDARDS ASSOCIATION
STANDARD NO. 22.2
NO. 0, 65
3M FILE NO. LR22190

Specifications

Wire Size:	See Table Above
Barrel Seam:	Butted with Insulation Grip
Maximum Voltage Rating:	600V Building Wire 1000 V Signs or Lighting Fixtures (Luminaires)
Maximum Operating Temp:	221˚F (105˚C)
Maximum Current:	Same as Wire
Insulator Material:	Nylon
Terminal Material:	Brass
Insulation Grip Material:	Brass
Plating:	Tin

Installation Information

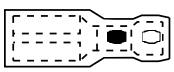
⚠WARNING

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 crimp tool: TH-440, TH-450 (scissor style), or TR-482, TR-490 (ratchet style) hand tools.



● Barrel Crimp (Electrical)

○ Insulation Crimp (Mechanical)

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

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

Engineering Specification

Crimp-Type Female Disconnects shall, electrically and mechanically, connect permanently to a prestripped end of a stranded copper wire, and have a tongue portion with fingers 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 0.250″ x 0.032″ or 0.187″ x 0.020″ per ANSI/NEMA CD-2) and construction, non-insulated, vinyl insulated and nylon fully insulated 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 (↑).

The Nylon Fully Insulated Female Disconnect, with insulation grip, shall be tin plated 0.016″ thick brass with a tongue for gripping a 0.187″ x 0.020″ Male Tab per ANSI/NEMA CD-2 and a 0.25″ long barrel with a tin plated brass funnel entry insulation grip, covered by a molded nylon 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 V building wire: 1000V 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.

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.

Warranty; Limited Remedy; Limited Liability. This product will be free from defects in material and manufacture as of the date of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.**

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