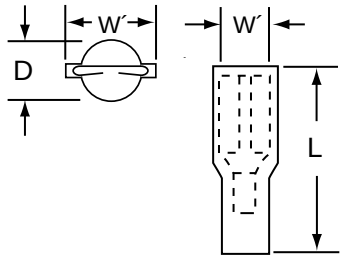
Highland™ Terminals



FDI14-187, FDI18-187

Female Disconnect, Nylon Fully Insulated, Butted Seam

Data Sheet

Product Number	Wire Range (AWG)	Mates with Male Tab Width (W') x Thickness	L	W	D	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
FDI14-187	16-14	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145
FDI18-187	22-18	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145

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

CANADIAN STANDARDS ASSOCIATION
STANDARD NO. 22.2
NO. 153
3M FILE NO. LR22190

Specifications

Wire Size:	See Table Above
Barrel Seam:	Butted
Insulator Max. Volt Rating:	600 V Building Wire 1000 V Signs or Fixtures (Luminaires)
Maximum Operating Temp:	221˚F (105˚C)
Maximum Current:	Same as Wire
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 crimp tool: TH-440, TH-450 (scissor style), or 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.

Engineering Specification

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

The connector line shall offer a tongue variations (sized to grip male tabs: 0.250″ x 0.032″ or 0.187″ x 0.020″ per ANSI/NEMA CD-2) and barrel variations in wire (AWG) size (22-18, 167-14, 12-10) and construction (non-insulated, vinyl insulated, nylon fully, 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 0.187″ Female Disconnect 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 0.250″ long barrel covered by a molded nylon funnel entry sleeve, which extends to cover the tongue, color coded and sized for a specified (AWG) wire range (Red, 22-18: Blue, 16-14).

Insulated connectors shall be UL Listed and CSA Certified for 600 V building wire; 1000V signs or fixtures (luminaires); and temperature rated 221ºF (105ºC) maximum.

Female Disconnects 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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