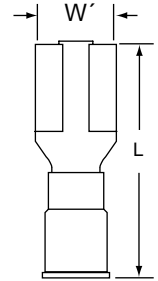




Highland™ Terminals

FDV14-187, FDV18-187

Female Disconnect, Vinyl Insulated, Butted Seam



Data Sheet

Product Number	Wire Range (AWG)	Mates with Male Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
FDV14-187	16-14	0.187 x 0.020	0.78	0.25	0.085	0.145
FDV18-187	22-18	0.187 x 0.020	0.78	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:
Barrel Seam:
Maximum Voltage Rating:

See Table Above
Butted
600V Building Wire
1000 V Signs or
Fixtures (luminaires)
(105°C) 221°F
Same as Wire
Vinyl
Brass
Tin

Maximum Operating Temp:
Maximum Current:
Insulator Material:
Terminal Material:
Plating:

Installation Information

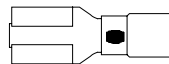
WARNING

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 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 barrel variations in wire (AWG) size: (22-18, 16-14, 12-10) and construction (non-insulated, vinyl insulated and nylon fully insulated, etc.). The female disconnects shall have regulatory agency coverage (UL Listing, CSA Certified). The tongue portion shall be marked with the wire range and manufacturer's symbol (↑).

The vinyl insulated 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 vinyl sleeve, 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 volts minimum, building wire: 1000 volt maximum; signs or 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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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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