

# M12 BFW-M12xxx-6SL Field Wireable Connector with Slide Lock Terminals



## Features

- M12 field wireables
- Slide lock for a secure connection
- Straight and right-angle connector options

## Models

Model	Style	Dimensions	Gender	Pinout
BFW-M12F4-6SL	4-Pin Straight	<p> <math>\varnothing 19.5</math> [0.77] 61.2 [2.41]                 </p>	Female	
BFW-M12F5-6SL	5-Pin Straight			
BFW-M12M4-6SL	4-Pin Straight	<p> <math>\varnothing 20.1</math> [0.79] 65 [2.56]                 </p>	Male	
BFW-M12M5-6SL	5-Pin Straight			
BFW-M12F4A-6SL	4-Pin Right-Angle	<p> <math>\varnothing 19.5</math> [0.77] 50.7 [2.00] 38.7 [1.52]                 </p>	Female	
BFW-M12F5A-6SL	5-Pin Right-Angle			
BFW-M12M4A-6SL	4-Pin Right-Angle	<p> <math>\varnothing 20.1</math> [0.79] 54.4 [2.14] 38.7 [1.52]                 </p>	Male	
BFW-M12M5A-6SL	5-Pin Right-Angle			

# Specifications

**Current Rating**

4 A

**Voltage Rating**

4-pin M12: 250 V  
5-pin M12: 60 V

**Withstanding Voltage**

1000 V per 60 Hz at 1 minute

**Insulation Resistance**

≥ 100 MΩ

**Connections**

Integral 4-pin M12 female quick-disconnect connector  
Integral 4-pin M12 male quick-disconnect connector  
Integral 5-pin M12 female quick-disconnect connector  
Integral 5-pin M12 male quick-disconnect connector  
The type of connection is dependent on the model - see Models table for more information

**Wire Range**

20 AWG to 24 AWG

**Wire Strip Length of Individual Wire**

8 mm

**Seals for the Outside Diameter of the Cable**

4 mm to 6.5 mm

**Wire Strip Length of the Sheath**

24 mm

**Insertion/Withdrawal Cycles**

≥ 100

**Operating Temperature**

-40 °C to +85 °C (-40 °F to +185 °F)

**Environmental Rating**

IP68

**Required Overcurrent Protection**



**WARNING:** Electrical connections must be made by qualified personnel in accordance with local and national electrical codes and regulations.

Overcurrent protection is required to be provided by end product application per the supplied table.

Overcurrent protection may be provided with external fusing or via Current Limiting, Class 2 Power Supply.

Supply wiring leads < 24 AWG shall not be spliced.

For additional product support, go to [www.bannerengineering.com](http://www.bannerengineering.com).

Supply Wiring (AWG)	Required Overcurrent Protection (A)	Supply Wiring (AWG)	Required Overcurrent Protection (A)
20	5.0	26	1.0
22	3.0	28	0.8
24	1.0	30	0.5

**Certifications**



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