

canfield  
connector

Molded Multi-Pin  
for Sensors and Automation

# M8 & M12

**CANFast**<sup>®</sup>  
round connectors

NOW  
**IP69K**  
AVAILABLE



***Making connections that last!***

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# M8 & M12

Molded Multi-Pin for Sensors and Automation

**CANFast®**  
round connectors

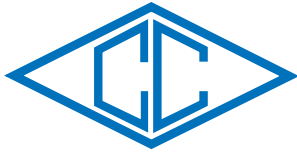
Canfield Connector manufactures highly engineered connectivity and sensing solutions, and the newly developed M8 & M12 CANFast® round connector product lines are no exception. To further strengthen our commitment to customer satisfaction through unmatched quality and support, customers will greatly benefit from enjoying a much wider array of available products with significantly reduced lead times.

Our enhanced evolution of the production process for the M8 & M12 connectors manufactured in our Youngstown, Ohio plant not only allows us to greatly expand our existing product line, but also takes our custom design capabilities to another level. Our domestic manufacturing and quick lead times, along with competitive pricing and high quality, make us leaders in industrial product development.

The M8 & M12 CANFast® design lends itself to sensors and automation applications. Other markets such as commercial electronics, process control, and industrial instrumentation also see beneficial results. Using our ISO 9001:2015 quality system, each device passes through a rigorous and extensive testing process to ensure reliable performance and customer satisfaction. To learn more, contact our friendly Customer Service Team, or visit: [www.canfieldconnector.com](http://www.canfieldconnector.com)

- *Multiple pin configurations*
- *IP68/IP69K environmental resistance rating*
- *Robust housing for shock / vibration protection*
- *Various cable lengths and jacket options*
- *Fully-molded or field-wireable*





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## M8 SERIES

STANDARD A-CODING  
8MM STRAIGHT  
ROUND CONNECTORS

### GENERAL DESCRIPTION

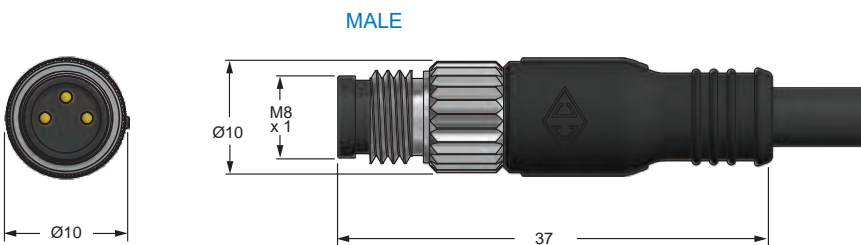
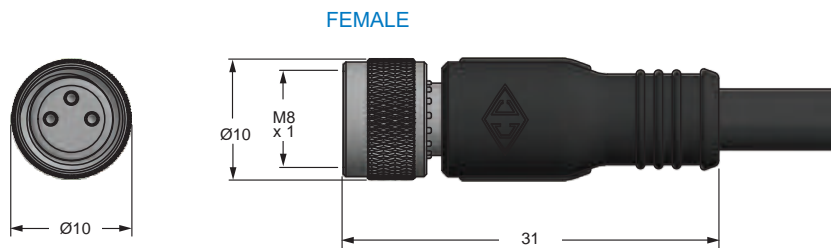
Canfield Connector is known for its robust connections with an American twist, and the CANFast® brand of M8 electrical connectors are no exception. This family of robust, all molded anti-vibration electrical connectors for sensors and actuators are specified by those needing a sure connection to valves, sensors, or automation of all types. Available in all industry styles including shielded and unshielded, and in various wire lengths. The CANFast® round connectors are made in the USA to strict quality standards and are ready for fast delivery.



Male 4-Pin version shown above

### DIMENSIONAL DATA

All dimensions are in millimeters unless otherwise noted.



### PIN CONFIGURATION

#### 3 Pin

Female

Male



Pin 1 = Brown  
Pin 3 = Blue  
Pin 4 = Black

#### 4 Pin

Female

Male



Pin 1 = Brown  
Pin 2 = White  
Pin 3 = Blue  
Pin 4 = Black

### TECHNICAL DATA

Current Max.	4 Amps
Voltage Max.	120V AC/DC
Materials	Housing: PA, TPU Nut: Nickel Plated Brass Contacts: Gold Plated Brass
Temperature Range	-20° to +80°C
Environmental Protection	IP 68, IP 69 (Securely connected)
Cable Diameter	5.0mm
Cable Type	PVC, PUR
Wire Gauge	24 AWG

### ORDERING INFORMATION

R C 0 8 - A ☐ M ☐ ☐ 0 - 0 1 ☐ ☐ ☐ ☐ 0 ☐

**Type**  
F - Female  
M - Male

**Poles**  
03 - 3 poles  
04 - 4 poles

**Cable Length**  
10 - 1 meter  
20 - 2 meter  
30 - 3 meter  
50 - 5 meter  
0A - 10 meter

**Cable Type**  
C1 - PVC  
R1 - PUR

**Packaging Code**  
A - Bulk  
G - Individual bagged



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## M12 SERIES

STANDARD A-CODING  
12MM STRAIGHT  
ROUND CONNECTORS

### GENERAL DESCRIPTION

Canfield Connector is known for its robust connections with an American twist, and the CANFast<sup>®</sup> brand of M12 electrical connectors are no exception. This family of robust, all molded anti-vibration electrical connectors for sensors and actuators are specified by those needing a sure connection to valves, sensors, or automation of all types. Available in all industry styles including shielded and unshielded, and in various wire lengths. The CANFast<sup>®</sup> round connectors are made in the USA to strict quality standards and are ready for fast delivery.

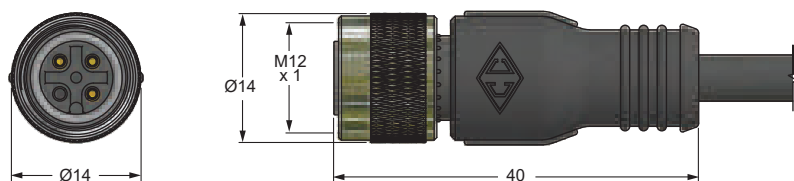


Male 3-Pin version shown above

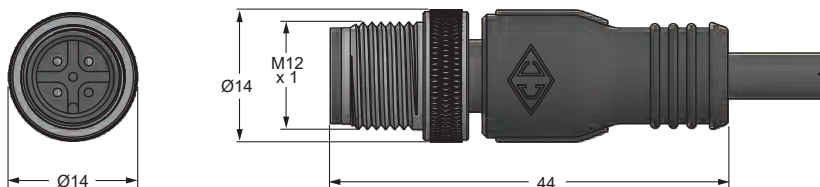
### DIMENSIONAL DATA

All dimensions are in millimeters unless otherwise noted.

#### FEMALE



#### MALE



### PIN CONFIGURATION

#### 3 Pin

Female



Pin 1 = Brown  
Pin 3 = Blue  
Pin 4 = Black

Male



#### 4 Pin

Female



Pin 1 = Brown  
Pin 2 = White  
Pin 3 = Blue  
Pin 4 = Black

Male



#### 5 Pin

Female



Pin 1 = Brown  
Pin 2 = White  
Pin 3 = Blue  
Pin 4 = Black  
Pin 5 = Gray

Male



### TECHNICAL DATA

Current Max.	4 Amps
Voltage Max.	250V AC/DC
Materials	Housing: PA, TPU Nut: Nickel Plated Brass Contacts: Gold Plated Brass
Temperature Range	-20° to +80°C
Environmental Protection	IP 68, IP 69, IP 69K (Securely connected)
Cable Diameter	5.0mm
Cable Type	PVC, PUR
Wire Gauge	24 AWG

### ORDERING INFORMATION

RC12-A ☐ M ☐ ☐ 0-01 ☐ ☐ ☐ ☐ 0 ☐

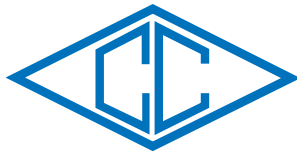
**Type**  
F - Female  
M - Male

**Poles**  
03 - 3 poles  
04 - 4 poles  
05 - 5 poles

**Cable Length**  
10 - 1 meter  
20 - 2 meter  
30 - 3 meter  
50 - 5 meter  
0A - 10 meter

**Cable Type**  
C1 - PVC  
R1 - PUR

**Packaging Code**  
A - Bulk  
G - Individual bagged



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## M12 SERIES

STANDARD A-CODING  
12MM 90°  
ROUND CONNECTORS

### GENERAL DESCRIPTION

Canfield Connector is known for its robust connections with an American twist, and the CANFast® brand of M12 90° electrical connectors are no exception. This family of robust, all molded anti-vibration electrical connectors for sensors and actuators are specified by those needing a sure connection to valves, sensors, or automation of all types. Available in all industry styles including shielded and unshielded, and in various wire lengths. The CANFast® round connectors are made in the USA to strict quality standards and are ready for fast delivery.

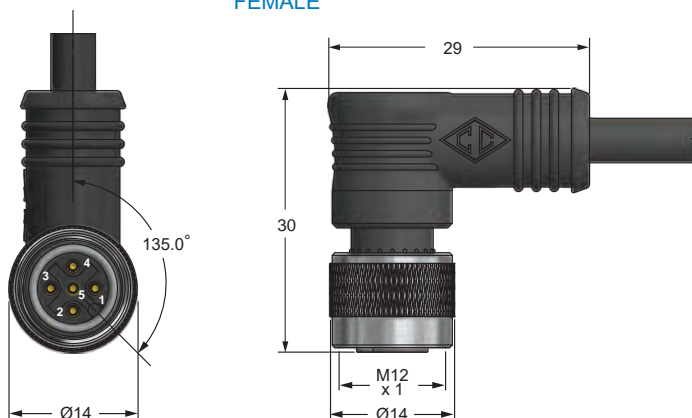


Female 5-Pin version shown above

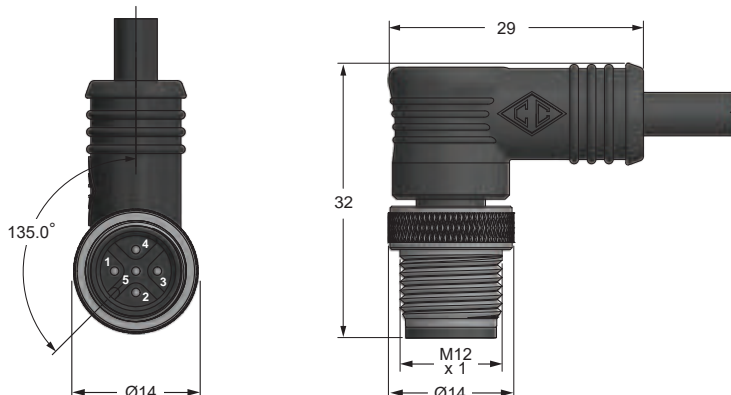
### DIMENSIONAL DATA

All dimensions are in millimeters unless otherwise noted.

#### FEMALE



#### MALE



### PIN CONFIGURATION

#### 3 Pin

Female

Male



Pin 1 = Brown  
Pin 3 = Blue  
Pin 4 = Black

#### 4 Pin

Female

Male



Pin 1 = Brown  
Pin 2 = White  
Pin 3 = Blue  
Pin 4 = Black

#### 5 Pin

Female

Male



Pin 1 = Brown  
Pin 2 = White  
Pin 3 = Blue  
Pin 4 = Black  
Pin 5 = Gray

### TECHNICAL DATA

Current Max.	4 Amps
Voltage Max.	250V AC/DC
Materials	Housing: PA, TPU Nut: Nickel Plated Brass Contacts: Gold Plated Brass
Temperature Range	-20° to +80°C
Environmental Protection	IP 68, IP 69, IP 69K (Securely connected)
Cable Diameter	5.0mm
Cable Type	PVC, PUR
Wire Gauge	24 AWG

### ORDERING INFORMATION

RC 12 - A ☐ M ☐ ☐ 0 - 0 2 ☐ ☐ ☐ 0 ☐

**Type**  
F - Female  
M - Male

**Poles**  
03 - 3 poles  
04 - 4 poles  
05 - 5 poles

**Cable Length**  
10 - 1 meter  
20 - 2 meter  
30 - 3 meter  
50 - 5 meter  
0A - 10 meter

**Cable Type**  
C1 - PVC  
R1 - PUR

**Packaging Code**  
A - Bulk  
G - Individual bagged



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