

# BC-M12F8x-24-x-SF Single-Ended Female Shielded Cordsets



## BC-M12F8-24-x-SF Features

- M12 female to flying leads, eight conductors, multiple length options
- Black PVC jacket, foil shield with unterminated 24 AWG drain, A-code connector
- Straight and right-angle connector options

## BC-M12F8-24-X-SF Models

8-pin M12 Cordsets - Female Single-Ended, Straight, Shielded				
Model	Length	Dimensions (mm)	Pinout (Female)	
BC-M12F8-24-1-SF	1 m (3.28 ft)			1 = Brown 2 = White 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red
BC-M12F8-24-2-SF	2 m (6.56 ft)			
BC-M12F8-24-5-SF	5 m (16.4 ft)			
BC-M12F8-24-8-SF	8 m (26.25 ft)			
BC-M12F8-24-10-SF	10 m (30.81 ft)			
BC-M12F8-24-15-SF	15 m (49.2 ft)			

8-pin M12 Cordsets - Female Single-Ended, Right-Angle, Shielded				
Model	Length	Dimensions (mm)	Pinout (Female)	
BC-M12F8A-24-1-SF	1 m (3.28 ft)			1 = Brown 2 = White 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red
BC-M12F8A-24-2-SF	2 m (6.56 ft)			
BC-M12F8A-24-5-SF	5 m (16.4 ft)			
BC-M12F8A-24-8-SF	8 m (26.25 ft)			
BC-M12F8A-24-10-SF	10 m (30.81 ft)			
BC-M12F8A-24-15-SF	15 m (49.2 ft)			

## BC-M12F8-24-X-SF Specifications

### Current Rating

4 A

### Voltage Rating

30 V

### Installation

Static: 10× the outside diameter

Dynamic: 15× the outside diameter

### AWG

24 AWG

### Outer Diameter

5.6 mm

### Shielding

Shielding: Aluminum foil, facing in 25% minimum, 100% coverage

Drain: 22 AWG Drain

### Coding

A

### Construction

Coupling nut material: Nickel-plated brass

Contact carrier: Black nylon

Connector body: Black PUR

Jacket material: Black PVC

### Vibration and Mechanical Shock

Meets IEC 60068-2-6 requirements (Vibration: 10 Hz to 55 Hz, 1.0 mm amplitude, 5 minutes sweep, 30 minutes dwell)

Meets IEC 60068-2-27 requirements (Shock: 30G 11 ms duration, half sine wave)

### Connections

Integral 8-pin M12 female quick disconnect

### Operating Conditions

Operating temperature: -40 °C to +50 °C (-40 °F to +122 °F)

Storage temperature: -40 °C to +70 °C (-40 °F to +158 °F)

90% at +50 °C maximum relative humidity (non-condensing)

### Environmental Rating

IP66, IP67, IP68

UL Type 1

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Original Instructions

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