

# 8-pin Double-Ended M12 Female to M12 Male Cordsets



## Features

- M12 female to male (double-ended), eight conductors, multiple length options
- Black PVC jacket, unshielded, A-code connector
- Straight connector options

## Models

8-pin Double-Ended M12 Female to M12 Male Cordsets				
Model	Length	Dimensions (mm)	Pinouts (Female)	Pinouts (Male)
BC-M12F8-M12M8-24-1	1 m (3.28 ft)			
BC-M12F8-M12M8-24-2	2 m (6.56 ft)			
BC-M12F8-M12M8-24-5	5 m (16.4 ft)			
BC-M12F8-M12M8-24-8	8 m (26.25 ft)			
BC-M12F8-M12M8-24-10	10 m (30.81 ft)			
BC-M12F8-M12M8-24-15	15 m (49.2 ft)			

8-pin Double-Ended M12 Female Straight to M12 Male Right-Angle Cordsets				
Model	Length	Dimensions (mm)	Pinouts (Female)	Pinouts (Male)
BC-M12F8-M12M8A-24-1	1 m (3.28 ft)			
BC-M12F8-M12M8A-24-2	2 m (6.56 ft)			
BC-M12F8-M12M8A-24-5	5 m (16.4 ft)			
BC-M12F8-M12M8A-24-8	8 m (26.25 ft)			
BC-M12F8-M12M8A-24-10	10 m (30.81 ft)			
BC-M12F8-M12M8A-24-15	15 m (49.2 ft)			

8-pin Double-Ended M12 Female Right-Angle to M12 Male Straight Cordsets				
Model	Length	Dimensions (mm)	Pinouts (Female)	Pinouts (Male)
BC-M12F8A-M12M8-24-1	1 m (3.28 ft)			
BC-M12F8A-M12M8-24-2	2 m (6.56 ft)			
BC-M12F8A-M12M8-24-5	5 m (16.4 ft)			
BC-M12F8A-M12M8-24-8	8 m (26.25 ft)			
BC-M12F8A-M12M8-24-10	10 m (30.81 ft)			
BC-M12F8A-M12M8-24-15	15 m (49.2 ft)			

8-pin Double-Ended M12 Female Right-Angle to M12 Male Right-Angle Cordsets				
Model	Length	Dimensions (mm)	Pinouts (Female)	Pinouts (Male)
BC-M12F8A-M12M8A-24-1	1 m (3.28 ft)			
BC-M12F8A-M12M8A-24-2	2 m (6.56 ft)			
BC-M12F8A-M12M8A-24-5	5 m (16.4 ft)			
BC-M12F8A-M12M8A-24-8	8 m (26.25 ft)			
BC-M12F8A-M12M8A-24-10	10 m (30.81 ft)			
BC-M12F8A-M12M8A-24-15	15 m (49.2 ft)			



## Specifications

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### Current Rating

2 A

### Voltage Rating

30 V

### Minimum Bend Radius

>10× the outside diameter

### AWG

24 AWG

### Outer Diameter

5.59 mm

### Coding

A

### Connections

Integral 8-pin M12 quick disconnect connector (female, male)

### 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 500 Hz; 0.35 mm amplitude, 6-hour sweep cycle, 10 sweep cycles)

Meets IEC 60068-2-27 requirements (Shock: 50G, half-sine wave, 11 ms duration)

### Operating Conditions

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

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