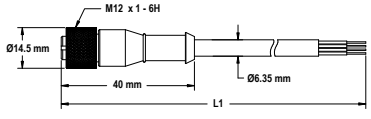
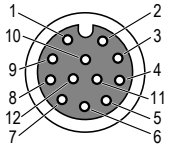
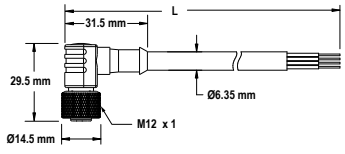
12-pin A-Code Single-Ended M12 Female Cordsets

Features

- M12 female to flying leads (single-ended), 12 conductors, multiple length options
- Black PVC jacket, unshielded, A-code connector
- Straight or right-angle connector options

Models

12-pin A-Code Single-Ended M12 Female Cordsets				
Model	**Length**	**Dimensions (mm)**	**Pinout (Female)**	
BC-M12F12-24-2	2 m (6.56 ft)			1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red 9 = Orange 10 = Tan 11 = Black 12 = Violet c UL us LISTED
BC-M12F12-24-5	5 m (16.4 ft)			
BC-M12F12-24-10	10 m (30.81 ft)			
BC-M12F12A-24-2	2 m (6.56 ft)			
BC-M12F12A-24-5	5 m (16.4 ft)			
BC-M12F12A-24-10	10 m (30.81 ft)			

Specifications

Current Rating

2 A

Voltage Rating

30 V DC

Bend Radius

Static: 5× the outside diameter

Dynamic: 10× the outside diameter

AWG

24 AWG

Outer Diameter

6.3 mm

Connections

Integral 12-pin M12 female quick disconnect

Construction

Coupling nut material: Nickel-plated brass

Contact carrier: Black nylon

Connector body: Black TPU

Jacket material: Black PVC

Coding

A

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

Certifications

CE

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Original Instructions
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