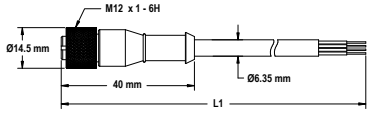
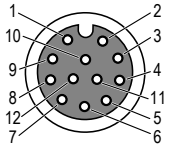
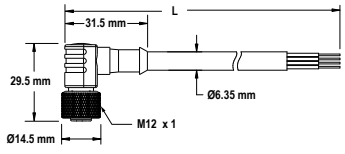
# 12-pin A-Code Single-Ended M12 Female Cordsets

## 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<br>2 = Brown<br>3 = Green<br>4 = Yellow<br>5 = Gray<br>6 = Pink<br>7 = Blue<br>8 = Red<br>9 = Orange<br>10 = Tan<br>11 = Black<br>12 = Violet<br>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
21-May-26

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