

# M12 to M12 DeviceNet CANopen Cable Assembly

Suitable for use in automation technology and industrial applications, these cable assemblies are designed for PROFIBUS-DP. They are suitable for flexible use and indoor installation.



## Overview

### Industrial Connectivity Solution

This M12 to M12 cable assembly is engineered specifically for reliable data transmission in DeviceNet and CANopen industrial networks. Featuring a robust 5-core design with superior shielding against electromagnetic interference (EMI), it ensures signal integrity in demanding environments. The assembly is available in durable PVC or PUR jacket options, offering excellent resistance to oil, abrasion, and flame, making it suitable for both fixed and mobile industrial applications.

## Technical Specifications

### Protection Rating

IP67

### Characteristic Impedance

**150**  $\Omega$

Impedance

### Connector Coding

B-Coding

## Cable Construction

### Construction Details

Component	Material Specification
Conductor	Fine stranded bare copper wire
Insulation	Foamed PE (signal pair), PE (power pair)
Shielding	AL/Mylar individual screen + tinned copper braid
Jacket	PVC or PUR (Purple RAL4001)

## Environmental Data

### Temperature Range (PVC)

- Fixed: -40°C to 80°C
- Mobile: -5°C to 70°C

### Temperature Range (PUR)

- Fixed: -40°C to 80°C
- Mobile: -20°C to 80°C

## Mechanical Properties

### Minimum Bending Radius

- Fixed Application: 8D
- During Installation: 15D

## Features

### Key Performance Features

Flame Resistant (IEC60332-1), EMI Shielded, Oil Resistant, Abrasion Resistant, Flexible