

## 3-Pole M12 Shielded Cable Assembly

This shielded cable assembly is suitable for use in automation technology and industrial applications for external interconnection of electronic equipment. It is suitable for flexible use and indoor installation in places with high electrical interference.



### Product Overview

#### High-Performance M12 Shielded Connectivity

This 3-pole M12 shielded cable assembly is engineered for reliable signal transmission in demanding industrial environments. Featuring excellent resistance to external EMI, abrasion, and oil, it ensures long-term durability and stable performance for sensors and actuators. The flexible design allows for easy equipment changes, making it an ideal choice for diverse automation applications.

### Technical Specifications

#### Protection Classification

IP67

#### Coding

A-Coded

#### Pole Count

3

### Temperature Range

#### Fixed Application (PVC)

**-40 °C**

Min Temp

**80 °C**

Max Temp

#### Fixed Application (PUR)

**-40 °C**

Min Temp

**80 °C**

Max Temp

#### Mobile Application (PVC)

**-5 °C**

Min Temp

**70 °C**

Max Temp

#### Mobile Application (PUR)

**-20 °C**

Min Temp

**80 °C**

Max Temp

## Cable Construction

### Construction Materials

- Conductor: Fine stranded bare copper wire
- Insulation: PVC
- Shielding: AL/Mylar screen and tinned copper braiding
- Jacket: PVC or PUR

### Minimum Bending Radius

Application	Radius
Fixed Application	4D (D=cable diameter)
Mobile Application	7.5D (D=cable diameter)

## Key Properties

### Key Features

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