

## 8-Pole M12 Shielded Cable Assembly

These shielded cable assemblies are suitable for automation technology, industrial applications, and external interconnection of electronic equipment. They are designed for flexible use and indoor installation in environments with high electrical interference.



### Product Overview

#### Industrial Connectivity Solution

This 8-pole M12 shielded cable assembly is engineered for reliable signal and power transmission in demanding industrial environments. Featuring robust EMI shielding and high-performance material options like PUR or PVC, it ensures data integrity and long service life. Designed for flexibility and ease of use, these assemblies are ideal for sensors, actuators, and complex industrial automation systems.

### Technical Specifications

#### Protection Classification

IP67

#### Coding

A

#### Pole Configuration

8

### Environmental Performance

#### Temperature Range (Fixed)

**-40 °C**

Min Temp

**80 °C**

Max Temp

#### Temperature Range (Mobile)

**-20 °C**

Min Temp (PUR)

**80 °C**

Max Temp (PUR)

## Mechanical Construction

### Minimum Bending Radius

Application	Radius
Fixed	4D
Mobile	7.5D

### Construction Materials

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

### Wire Colors

Brown, White, Green, Yellow, Grey, Pink, Blue, Red

## Key Features

### Key Properties

- Excellent resistance to external EMI
- Resistant to abrasion and oil
- Flame resistance according to IEC60332-1
- Flexible design for easy equipment changes
- Long service life