

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