

5-Pole M8 Shielded Cable Assembly

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



Overview

High-Performance M8 Shielded Connectivity

This 5-pole M8 shielded cable assembly is engineered for reliable signal and power transmission in demanding industrial environments. Featuring robust protection against electromagnetic interference (EMI) and excellent resistance to abrasion and oil, it ensures long-term signal integrity. The flexible design and variety of available lengths and sheath materials make it an ideal solution for sensor, actuator, and automation system connectivity.

Technical Specifications

Cable Construction

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

Protection Classification

IP67

Coding

A

Wire Colors

Blue, Brown, Black, White, Green-Yellow

Environmental Performance

Temperature Range (Fixed)

-40 °C

Min Temp (PVC/PUR)

80 °C

Max Temp (PVC/PUR)

Temperature Range (Mobile)

Material	Min Temp	Max Temp
PVC	-5	70
PUR	-20	80

Mechanical Properties

Minimum Bending Radius

- Fixed Application: 4D (D=cable diameter)
- Mobile Application: 7.5D (D=cable diameter)

Key Features

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