

PROFINET M12 to M12 Cable Assembly

This patchcord is designed for PROFINET and widely used in industrial Ethernet. It can make two electronic equipment and two instruments directly connected, especially suitable for drag chain and indoor installation.



Overview

Industrial Ethernet Connectivity

This PROFINET M12 to M12 cable assembly is designed for high-performance data transmission in demanding industrial environments. Featuring shielded construction and a durable jacket, it provides excellent resistance to electromagnetic interference, abrasion, and oil. The cable is built for flexibility and long service life, supporting up to 2.5 million drag chain cycles, making it an ideal choice for factory automation and equipment connectivity.

Technical Specifications

Protection Classification

IP67

Drag Chain Reliability

2.5 million

Cycles

Characteristic Impedance

100 Ω

Coding

D

Environmental Performance

Temperature Range Limits

Application	PVC (°C)	PUR (°C)
Fixed	-40 to 80	-40 to 80
Mobile	-5 to 70	-20 to 80

Cable Construction

Materials

- Conductor: Stranded tinned copper wire
- Insulation: PE
- Shielding: AL/Mylar screen and tinned copper wire braid
- Jacket: PVC FRNC

Jacket Color

Green (RAL6018)

Features

Key Capabilities

Flame Resistant, EMI Shielded, Oil Resistant, Abrasion Resistant, CAT5e Performance