

PROFINET Type B M12 to M12 Cable Assembly

This patchcord is designed for PROFINET and widely used in industrial Ethernet. It facilitates direct connections between electronic equipment and instruments, making it suitable for fixed installation and indoor applications.



Product Overview

Industrial PROFINET Connectivity

The PROFINET Type B M12 to M12 cable assembly is engineered for reliable industrial Ethernet communication. Featuring shielded 4-pole connectivity and excellent EMI resistance, this cable ensures robust signal integrity in demanding environments. Its flexible, durable design supports CAT5e performance and facilitates easy equipment reconfiguration for modern automation systems.

Technical Specifications

Characteristic Impedance

100 Ω
Impedance

IP Rating

IP67

Coding

D

Mechanical & Environmental

Minimum Bending Radius

Application	Requirement
Fixed Application	8D
During Installation	15D

Temperature Range

Jacket Material	Fixed Range	Installation Range
PVC	-20°C to 70°C	-5°C to 60°C
FRNC	-40°C to 80°C	-5°C to 60°C

Construction

Material Composition

- Conductor: Solid bare copper wire
- Insulation: PE
- Shield: AL/Mylar screen and tinned copper wire braid
- Jacket: PVC or FRNC

Performance Features

Flame Resistant, EMI Shielded, CAT5e Performance, PROFINET Compliant