

# PROFINET M12 to RJ45 Industrial Ethernet Cable

This patchcord is designed for PROFINET and widely used in industrial Ethernet. It can make two electronic equipments and two instruments directly connected and is suitable for occasional movement and indoor application.



## Product Overview

### Industrial Ethernet Solution

This PROFINET M12 to RJ45 patchcord is engineered for reliable data transmission in demanding industrial environments. Featuring a 4-pole D-coded M12 connector and a standard RJ45 interface, it provides robust connectivity for automation and process control systems. The cable construction includes high-quality tinned copper conductors and advanced shielding to ensure excellent resistance against electromagnetic interference.

## Technical Parameters

### IP Protection Class

Connector Type	Rating
M12	IP67
RJ45	IP20

Characteristic Impedance: 100  $\Omega$

Coding: D-Code

## Environmental Data

### Temperature Range

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

## Cable Construction

### Minimum Bending Radius

- Fixed Application: 8D
- Occasional Movement: 15D

Construction Materials: Stranded Tinned Copper, PE Insulation, AL/Mylar Screen, Tinned Copper Braid, PVC/FRNC Jacket

## Features

### Key Benefits

CAT5e Performance • Flame Resistant • EMI Shielded • Flexible • Long Service Life