

# PROFINET Type A M12 to M12 Industrial Ethernet Cable Assembly

This patch cord is designed for PROFINET and widely used in industrial Ethernet applications. It facilitates direct connections between electronic equipment and instruments, suitable for fixed indoor installations.



## Overview

### Industrial Ethernet Connectivity

This PROFINET Type A M12 to M12 cable assembly is engineered for high-performance industrial networking. Designed for CAT5e standards, it provides robust EMI resistance and signal integrity in demanding environments. Featuring durable shielded construction and IP67 protection, it ensures reliable communication between PLCs and automation devices.

## Electrical Specifications

### IP Rating

IP67

### Characteristic Impedance

100  $\Omega$

### Connector Coding

D

## Mechanical Construction

### Conductor Material

Solid bare copper wire

### Shielding

AL/Mylar screen and tinned copper wire braid

### Jacket Material

PVC, FRNC

### Color

Green (RAL6018)

## Environmental Performance

### Temperature Range (Fixed)

**-20 °C**

PVC Min

**70 °C**

PVC Max

**-40 °C**

FRNC Min

**80 °C**

FRNC Max

### Flame Resistance Standard

IEC60332-1

## Installation Data

### Bending Radius

Application Type	Multiplier
Fixed Application	10D
During Installation	15D