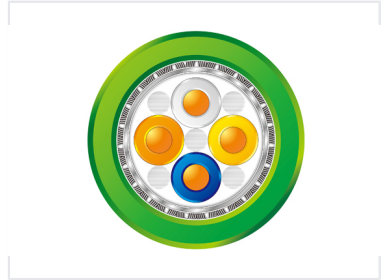


# Industrial Ethernet PROFINET Cable Type A

This cable is designed for PROFINET and widely used in industrial Ethernet fields, such as machines, equipment, instruments and control panels. Electrical performance conforms to CAT5e.



## Overview

### Industrial Ethernet Connectivity

This Industrial Ethernet PROFINET Cable Type A is engineered for reliable data transmission in demanding industrial environments. Featuring robust shielding and high-performance materials, it ensures excellent noise immunity and consistent signal integrity. Designed for fixed applications, this cable meets international standards for flame resistance and transmission performance, making it an ideal choice for connecting controllers and network infrastructure.

## Technical Specifications

Temperature Range (PVC)	-20°C to 70°C
Temperature Range (FRNC)	-40°C to 80°C
Test Voltage	2000 V
Characteristic Impedance	100±15Ω
Conductor DCR (20°C)	d60/m
Minimum Bending Radius	10D (Fixed Application)
Reference Standards	IEC61156-9, IEC60332-1

## Construction

### Cable Construction

Component	Material/Detail
Conductor	Solid bare copper
Insulation	PE (White, Yellow, Blue, Orange)
Inner Jacket	PVC FRNC
Shield	AL / Mylar + Tinned copper braid
Outer Jacket	PVC FRNC (Green, RAL6018)

## Features

### Key Features

- Flame resistant (IEC60332-1)
- Excellent EMI resistance
- Halogen-free (FRNC jacket)
- Low smoke emission
- PROFINET Type A compliant