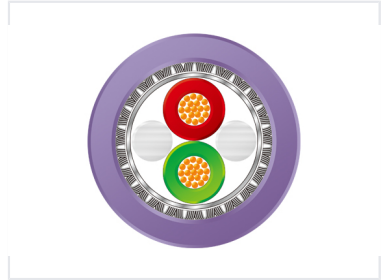


# PROFIBUS-DP Fieldbus Cable

This PROFIBUS-DP cable is designed for industrial field bus systems used in automation and communication. The PE jacket makes it suitable for outdoor installation in fixed applications.



## Product Overview

### PROFIBUS-DP Fieldbus Cable

This PROFIBUS-DP Fieldbus cable is engineered for high-speed, reliable data transmission within industrial automation networks. Featuring a robust construction with solid bare copper conductors and specialized shielding, it ensures excellent immunity against external electromagnetic interference. Available with multiple jacket options including PVC, LSZH, and PUR, this cable is adaptable for both standard indoor installations and demanding environments requiring resistance to oil, abrasion, and hydrolysis.

## Electrical Specifications

Rated Voltage	300 V
Test Voltage	2000 V/min
Characteristic Impedance	150±15Ω @ 3-20MHz
Conductor DCR (20°C)	0.5Ω/m

## Mechanical & Environmental

Temperature Range (PVC)	-20°C ~ 70°C
Temperature Range (LSZH / PUR)	-40°C ~ 80°C
Min. Bending Radius	10D (Fixed Application)

## Construction

### Construction Details

Component	Material/Description
Conductor	Solid bare copper wire
Insulation	Foamed PE
Shield	AL / Mylar wrapped and tinned copper braiding
Jacket Materials	PVC, LSZH, PUR, PE
Jacket Colors	Purple (RAL 4001), Black (PE Jacket)

## Features

### Key Features

- Flame resistance (IEC60332-1)
- High resistance to external EMI
- PE jacket variant suitable for outdoor use
- PUR jacket variant resistant to oil, abrasion, and hydrolysis