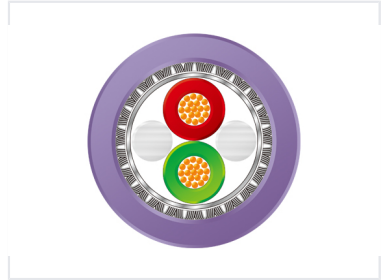


PROFIBUS-DP Communication Cable

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



Overview

PROFIBUS-DP Communication Cable

This high-performance communication cable is specifically designed for reliable data transmission in PROFIBUS-DP industrial networks. Featuring a robust construction with foamed PE insulation and comprehensive shielding, it ensures excellent resistance to external electromagnetic interference. Available with various jacket materials including PVC, LSZH, and PUR, it is suitable for diverse industrial environments ranging from standard indoor setups to demanding outdoor or oil-exposed applications.

Electrical Characteristics

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

Mechanical & Environmental

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

Construction

Conductor Material	Solid bare copper wire
Insulation Material	Foamed PE
Shielding	AL / Mylar wrapped and tinned copper braiding
Available Jacket Materials	PVC, LSZH, PUR, PE

Features

Key Features

- Flame resistance according to IEC60332-1
- High resistance to external EMI
- PE jacket suitable for outdoor installation
- PUR jacket resistant to oil, abrasion, and hydrolysis