

PROFIBUS-PA Fieldbus Cable

This ProfiBus-PA cable is designed for industrial field bus systems used in automation and communication. It is suitable for fixed applications and areas with explosion risks.



Product Overview

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This PROFIBUS-PA cable is engineered for reliable data transmission in demanding industrial process automation environments. Featuring high-quality construction with foamed PE insulation and AL/Mylar shielding, it ensures signal integrity and resistance to external EMI. Designed for versatility and safety, the cable is available in both PVC and LSZH options, offering excellent flame resistance and low smoke properties.

Technical Specifications

Rated Voltage	300 V
Test Voltage	2000 V
Characteristic Impedance	100±20Ω @ 31.25 kHz
Minimum Bending Radius	10D (D = cable diameter)

Temperature Ratings

Temperature Range (PVC)	-20°C ~ 70°C
Temperature Range (LSZH)	-40°C ~ 80°C

Cable Construction

Construction Materials

- Conductor: Solid or stranded copper
- Insulation: Foamed PE
- Shield: AL / Mylar wrapped
- Jacket: PVC or LSZH

Jacket Color	Orange (RAL2003)
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Features & Compliance

Standards Compliance

IEC60332-1 • PROFIBUS

Key Features	Flame resistant, Low Smoke Zero Halogen, EMI Shielded, Economical
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